App. F. IX-4

Previous References. 1940-1 (War) War File No. 202-40
Serial Nos. 1 to 16.

Later References.

GENERAL AND REVENUE SECRETARIAT.

Serial Nos. Sixteen only.

Part B for August 1942.

SUBJECT.

A.R.P for the K & F.

J.M. Krishnan.
12.8.42.

1202/W A.R.P for the Kolar Gold Field

General and Revenue Secretariat

W File No. 202 of 1940-1 [App. F. III-2

Serial No. 1

From The Govt of India.

A.R.P. 44/41-42 & 14th Feby. 42 forwarding a draft A.R.P Scheme for the K.G.F.

Subd for perusal and orders whether the draft Scheme may be approved the Superintt Govt Printing being requested to supply 100 Copies direct to the ISP and 25 Copies for the use of Govt.

This Govt have already intimated the Railway that they will be grateful if 2 pumps (trailer) are supplied by the Govt of India and an order for 3 pumps has also been placed with a London firm.

The proposal in Para 3 may perhaps be approved As regards Para 4, the A.R.P. Rules also have to be extended to the K.G.F Area under Rule 1 Clause 2. As suggested by the ISP. a draft notification is subd constituting an Area for the K.G.F and extending the Rules. The draft notification sent by the ISP under sub-rule (1) of Rule 52 of the Defence of India Rules re: lighting restrictions is also for approval.

Draft memo ordered

17/2

Secy to Govt

Law Secretary 18/2

FEB 18 1942 No. 8191

CHIEF SECRETARY 17. FEB. 1942 GOVT. OF MYSORE.

2 Memo 1846 & 20th Feby. 42 to the Comptroller 19/2

3 1847-49 Memo to the ISP 1850 & Mr Kelly

WD 04155--GPB--55,000--28-10-41

TE—Cont. Sheet.

A.R.P for the Kolar Gold Field.

File No. 1202/W. of 194 .

General and Revenue Secretariat

Serial No.

OFFICE OF THE
MAR 11 1942
No. 8999

Subd with letter to the I.S.P and Supdt Govt Printing.

RS 20/2

Issued 1853/W & 20th Feby. 42 to the I.S.P & 1856/W " " Supdt Govt Printing 5

Printed copies of the KGF Scheme and Notification re: lighting restrictions for KGF have been received from the Press. Submd for perusal.

RS 19/3

Chief Secy.

(1) Please invite attention of D.C Kolar that lighting restrictions apply to Kolar and Bowpet also & Bethamangala

(2) Please tell I.G.P. to arrange that Kolar & Bowpet & Bethamangala get intimation whenever sirens are sounded in KGF.

Re 1. a copy of notification has already been sent to the D.M Kolar. As suggested, a letter is submd to the D.M Kolar.

Submd with a letter to the I.S.P vide 2

RS 12/3

Issued No. 1995/W & 12.3.42 to the D.M., Kolar. 6
" No. 1996/W " to the I.G.P. 7
" Memo. No. 1997/W " to the D.M., Kolar.

2030/W A.R.P for the Kyf 1887/W.

General and Revenue Secretariat | W File No. 202 of 1940-1 | [App. F. III—2

Serial No.

13. From The A.R.P Controller Kyf
A.R.P 648/50 dt 5th ms. 42 forwarding
a brief note on the A.R.P scheme in Kyf
Subd for general kind refce
is invited to the Draft Scheme for Kyf
prepared by the Spl A.R.P officer and
approved by Govt.

MAY 7 1942

6. MAY 19[illegible]
GOVT OF MYSORE.

The Dy Comr Chief Dt Kol enquired
arrange for more split trenches.

Subd with a letter to the A.R.P Controller
with reference to the D.M.Kolar & President Dt Board

14. From 2946-7/W dt 12th ms. 42 to the D.C. Kolar
President Dt Board
2948/W " to the A.R.P controller.

15 From The Insp Police.
A.R.P. 190/41-42 dt 13th Ms. 42 re the progress
of A.R.P measures in Kyf.
The same report was received from the A.R.P
Controller Kyf direct and necessary instructions
issued. Subd for general.

NOTE—Contn. Sheet.

WD 04155—GPB—55,000—28-10-41

W 202-40-1

1202/W

Tele {gram: POLICE / phone: 2108

POLICE DEPARTMENT.

OFFICE OF THE
INSPECTOR-GENERAL OF POLICE IN MYSORE,

No. A. R. P. 44/41-42
encl. 2 copies of proscheme

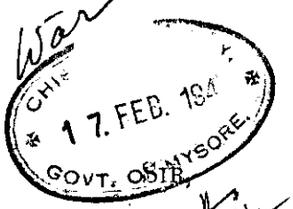
Bangalore, dated..... February 14, 1942.

FROM

E. G. B. PEEL, Esq., C.I.E.,
Inspector-General of Police in Mysore,
Bangalore.

To

War



17/2

The Chief Secretary
to the Government of Mysore, Bangalore.

Subject: A.R.P. for the Kolar Gold Field.

As desired in your letter No.763/W dated 23-9-1941, I have the honour to submit for the approval of Government a draft A.R.P. Scheme for the Kolar Gold Field.

2. The purchase of one medium or light trailer pump for the Kolar Gold Field is necessary. This will be included in the list of A.R.P. equipment for the supply of which an indent is to be sent to the Government of India.

3. A Class-III Instructor will be deputed to Kolar Gold Field to train A.R.P. volunteers.

4. A notification may kindly be issued under Sections 1 and 2 of the A.R.P. Services (Emergency) Act, 1941, constituting an A.R.P. Service for the Kolar Gold Field, (i.e. the Mining area, Robertsonpet, Oorgaum village, Andersonpet and Bethamangala) and appointing the Chief Inspector of Mines as the A.R.P. Controller. The enclosed draft notification under sub rule (1) of Rule 52 of the Defence of India Rules regarding lighting restrictions may also kindly be issued.

5. The Superintendent, Government Press, may kindly be asked to print 100 copies of the Scheme, as finally approved, for distribution to the members of the various committees, Heads of Departments, and institutions mentioned in Section XI, etc.

I have the honour to be,
Sir,
Your most obedient servant,

Peel

INSPECTOR GENERAL OF POLICE.

W 202-40-2.

NOTIFICATION.

1846/W

Under Section 2 of the A.R.P. Services Act, 1942, the Govt. are pleased to constitute an A.R.P. Service for the ~~area comprising~~ K.G.F. (i.e., the Mining area, Robertsonpet, Orgaum village, Andersonpet and Bethamangala), and to appoint the Chief Inspector of Mines as the A.R.P. Controller for the area.

Under Rule 1, Clause (2) of the A.R.P. Services Rules, 1941, the Govt. are further pleased to direct that the A.R.P. Services Rules do come into force in the said area at once.

By Order,

Offg.Chief Secy. to Govt.

To

The Compiler, Mysore Gazette.

1847-9/W Copy to I.G.P.,
Chief Inspector of Mines.
Dist. Magistrate, Kolar.

W 202-40-3.

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

~~No. 1400/W.~~
1850/W.

General and Revenue Secretariat,
Dated, Bangalore,

NOTIFICATION.

Government are pleased to issue the following order under sub-rule (1) of Rule 52 of the Defence of India Rules as applied to Mysore, viz:-

1. This order shall come into force at once within the limits of the Kolar Gold Field, the Sanitary Board Area adjacent thereto, the towns of Kolar and Bowringpet and the village and Pumping Station of Bethamangala.

2. In the event of a hostile attack, whether the Air Raid Warning signal is sounded or not, or whenever the A.R.P. Controller arranges after previous notice to the public for a practice black-out, the following provisions shall come into force and shall remain in force until the "Raiders Passed" signal has been sounded or until general lighting restored, as the case may be.

(i) No light brighter than that emanating from an ordinary oil lamp or candle shall be used in any building or part of a building or any premises appurtenant to such building or part thereof, unless it is so placed that no direct or reflected ray of light or glare emanating from it is visible from any angle outside the building.

(ii) No light shall be exhibited on the outside of any building or in any street or open space.

(iii) All lights in all vehicles shall be extinguished except in the case of Police vehicles, ambulances, fire engines, rescue party lorries, authorised air raid precautionary staff vehicles, salvage corps vehicles and vehicles which are the property of the Defence Forces, all of which must carry badges which can be clearly seen at night as well as in the day time.

B. O.

1851-3/W.
Copy to D.S.P. Chief Inspector of Mines D.H., Kolar for info.

Chief Secretary to Govt.

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

General and Revenue Secretariat,

No.1846/W. W 202-40-2. *Dated Bangalor*e 20th Febry. 42

NOTIFICATION.

Under Section 2 of the A.R.P. Services Act, 1942, the Government are pleased to constitute an A.R.P. Service for the Kolar Gold Fields (i.e., the Mining area, Robertsonpet, Oorgaum village, Andersonpet and Bethamangala), and to appoint the Chief Inspector of Mines as the A.R.P. Controller for the area.

Under Rule 1, Clause (2) of the A.R.P. Services Rules, 1941, Government are further pleased to direct that the A.R.P. Services do come into force in the said area at once.

By Order,

(Sd.) M.C. Mehkri.

Offg. Chief Secretary to Government.

To

The Compiler, Mysore Gazette, for publication.

Memo No.1847-9/W. Dated the 20th February 1942.

Copy of the above is forwarded with compliments to the

For Chief Secretary to Governmer

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

General and Revenue Secretariat,

No.1850/W... *Dated Bangalore, 20th Febry.* 1942 .

W202-40-3.

NOTIFICATION.

Government are pleased to issue the following order under sub-rule (1) of Rule 52 of the Defence of India Rules as applied to Mysore, viz:-

1. This order shall come into force at once within the limits of the Kolar Gold Field, the Sanitary Board Area adjacent thereto, the towns of Kolar and Bowringpet and the village and Pumping Station of Bethamangala.

2. In the event of a hostile attack, whether the Air Raid Warning signal is sounded or not, or whenever the A.R.P. Controller arranges after previous notice to the public for a practice black-out, the following provisions shall come into force and shall remain in force until the "Raiders Passed" signal has been sounded or until general lighting restored, as the case may be.

(i) No light brighter than that emanating from an ordinary oil lamp or candle shall be used in any building or part of a building or any permises appurtenant to such building or part thereof, unless it is so placed that no direct or reflected ray of light or glare emanating from it is visible from any angle outside the building.

(ii) No light shall be exhibited on the outside of any building or in any street or open space.

(iii) All lights in all vehicles shall be extinguished except in the case of Police vehicles, ambulances, fire engines, rescue party lorries, authorised air raid precautionary staff vehicles, salvage corps vehicles and vehicles which are the property of the Defence Forces, all of which must carry badges which can be clearly seen at night as well as in the day time.

By Order,

(Sd.) M.G. Mehkri.

Offg. For Chief Secretary to Government.

To

The Compiler, Mysore Gazette, for publication, and for printing and supplying 50 copies to this office.

Memo No.1851-3/W. Dated the 20th February 1942.

Copy of the above is forwarded with compliments to the

20/2

For Chief Secretary to Govt.

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE.

General and Revenue Secretariat,

No. 1850/W. Dated Bangalore, 20th Febry. 42 19

NOTIFICATION.

Government are pleased to issue the following order under sub-rule (1) of Rule 52 of the Defence of India Rules as applied to Mysore, viz:-

1. This order shall come into force at once within the limits of the Kolar Gold Field, the Sanitary Board Area adjacent thereto, the towns of Kolar and Bowringpet and the village and Pumping Station of Bethamangala.

2. In the event of a hostile attack, whether the Air Raid Warning signal is sounded or not, or whenever the A.R.P. Controller arranges after previous notice to the public for a practice black-out the following provisions shall come into force and shall remain in force until the "Raiders Passed" signal has been sounded or until general lighting restored, as the case may be.

(i) No light brighter than that emanating from an ordinary oil lamp or candle shall be used in any building or part of a building or any premises appurtenant to such building or part thereof, unless it is so placed that no direct or reflected ray of light or glare emanating from it is visible from any angle outside the building.

(ii) No light shall be exhibited on the outside of any building or in any street or open space.

(iii) All lights in all vehicles shall be extinguished except in the case of Police vehicles, ambulances, fire engines, rescue party lorries, authorised air raid precautionary staff vehicles, salvage corps vehicles and vehicles which are the property of the Defence Forces, all of which must carry badges which can be clearly seen at night as well as in the day time.

By Order,

(Sd.) M.G. Mehkri.
For Chief Secretary to Government.

To Offg. xxx
The Compiler, Mysore Gazette, for publication, and for printing and supplying 50 copies to this office.

Memo No.1851-3/W. Dated the 20th February 1942.

Copy of the above is forwarded with compliments to the

For Chief Secretary to Govt.

1855/W
W 202-40-4.

20th February 1942.

xxxxxxxxxxx M.G. MEHKRI ESQ., B.A.,LL.B.,

The Inspector-General of Police in Mysore.

A.R.P. for the Kolar Gold Field.

With reference to your letter No.A.R.P.44 dated the 14th ruary 1942 on the above subject, I am directed to convey appro- of Government to the draft A.R.P. Scheme for the Kolar Gold ld, and to state that the Superintendent, Government Printing, been requested to print and supply 100 copies of the scheme ect to you.

I have the honour to be,

Sir,

Your most obedient servant,

For Chief Secretary to Government.

CONFIDENTIAL.

20th February 1942.

1856/W
– W 202-40-5

xxxxxxxxxxxx M.G. MEHKRI ESQ., B.A.,LL.B.,

The Superintendent,
Government Printing.

I am directed to enclose herein a copy of A.R.P. Scheme for the Kolar Gold Field, and to request that 100 copies of the scheme may kindly be printed and supplied direct to the Inspector-General of Police in Mysore, and 25 copies to this office, at a very early date.

I have the honour to be,

Sir,

Your most obedient servant,

For Chief Secretary to Government.

CONFIDENTIAL.

A. R. P. SCHEME FOR THE KOLAR GOLD FIELD.

PART I—THE FULL SCHEME.

I. CONTROL.

1. *A. R. P. Executive Committee.*—An Executive Committee for the purpose of carrying out the A. R. P. Scheme approved for the Kolar Gold Field may be formed with the following members :—

Chief Inspector of Mines.
Special Magistrate, Kolar Gold Field.
Special Superintendent of Police, Kolar Gold Field.
Superintendents of the Nandydroog, Mysore, Champion Reef and Oorgaum Mines.
Superintendent, C. P. S., Kolar Gold Field.
Chief Electrical Engineer (Mining).
Secretary, Messrs. John Taylor & Sons.
Chief Medical Officer (Mining).
Medical Officer in charge of the Civil Hospital, Robertsonpet.
Medical Officer of Health, Sanitary Board.
Divisional Warden, Robertsonpet.

2. *A. R. P. Controller.*—The Chief Inspector of Mines.

3. *Control Room and Reporting Centre.*—A combined Control Room and Reporting Centre for the Kolar Gold Field will be located in a room of the Oorgaum Hall, if an additional room (15′ × 20′) adjoining the Central Telephone Exchange cannot be constructed for the purpose. The Control Room as well as the Telephone Exchange should be made proof against blast and splinters and against the falling debris in any case. The offices of the Chief Inspector of Mines, Special Magistrate, Special Superintendent of Police, Messrs. John Taylor & Sons, the four Mining Superintendents, Divisional Headquarters, Robertsonpet, Superintendent, Power & Lighting, Chief Electrical Engineer (Mining), Officer Commanding the K. G. F. Battalion, Rescue Station, Nandydroog Mines, the two A. R. P. Depots and Wardens' posts will be in telephonic communication with the Control Room. There should be two message panels of the above telephones (one IN and one OUT) formed by means of extension lines from the Central Exchange, if the Control Room is located in the Oorgaum Hall. The panels may be manned by two telephonists who may be volunteers. If the Control Room is attached to the Telephone Exchange, separate panels are not necessary and the telephone numbers in question may be operated from the existing panels themselves, on a priority basis, the keys being painted a distinctive colour. In addition to the telephonists, the staff of the Control Room will consist of the A. R. P. Controller, one Message Clerk in charge of the map and tally board and two messengers (Senior Scouts). Representatives of the four Mining Companies and the Electrical and Water Supply Departments will also be present. A reserve of four cyclists (Senior Scouts) will be posted here for use as messengers in case the telephone services breakdown.

A large scale map of the Kolar Gold Fields Sanitary Board area will be prepared and placed on a stand with a tally board of essential A.R.P. Services. The required number of message pads (IN and OUT) and a supply of coloured flags, etc., will be kept ready.

In addition to the places already mentioned, special warnings, if any, may also be given to the following :—

Kolar Gold Fields and Civil Hospitals.

Police Stations (Two).

Mining and Government Electric Power Houses.

Water Supply Station, Bethamangala (by the Superintendent, Power and Lighting, on service telephone).

Railway Stations (Coromandel, Oorgaum, Champion Reef and Marikuppam).

Brick and Tile Company.

Kolar Gold Fields and Oorgaum Clubs.

Robertsonpet and Andersonpet Markets.

Selected Subscribers.

A Control Key may be installed to operate the sirens, or hooters at the several shaft heads for the purpose of giving public warnings.

A priority list of selected telephone numbers may be prepared and the operators at the Telephone Exchange instructed to follow the existing procedure as to emergency calls with regard to them. Out and fire messages should have priority over all the others.

II. Warning System.

The alarm signals to the public will be only two, *viz.*, Action Warning (RED) and Raiders Passed (GREEN). Distinctive signals to be given over the hooters may be decided upon and the public familiarised with them so that there may be no possibility of such signals being mistaken for the usual time signals. Preliminary caution (YELLOW) to be given over the telephonic broadcast will be confidential and if not followed by the Action Warning (RED) will be reversed by giving the cancel caution (WHITE).

The existing hooters at the several shaft heads will be used for giving public warnings, and will be operated from the Control Room. After a state of emergency has been declared, the use of mine-hooters for other than A. R. P. purposes will have to be discontinued. An effective system of spreading the public alarm through the agency of the Police, Civic Guards and A. R. P. Wardens has to be devised. Each Police Station should arrange to keep three cyclist constables for this purpose. Important buildings, factories, and places of public resort (*vide* Section XI *infra*) will have their own supplementary alarm systems in addition. High noise areas inside the factories like Motor Rooms, Stamp Rooms and Tube Mill Plants must be specially provided for. Loudspeakers may be installed in crowded places like the Robertsonpet and Andersonpet markets to supplement the public warning.

III. Lighting Restrictions.

A complete black-out is unnecessary now nor is the permanent obscuration of lights contemplated.

After a state of emergency has been declared bright lights easily seen from the air and prominent ones on top of buildings and structures should be discontinued.

As soon as the preliminary warning (YELLOW) is received, the electric lights at Kolar, Bowringpet (including the M. S. M. Railway Station area) and Bethamangala should be switched off.

During an air raid all electric lights on the surface *i.e.*, those in the streets or inside the buildings will be extinguished. Lights not brighter than candle or oil lamp will be permitted inside the buildings and no external lights of any kind will be allowed except in accordance with the order under Rule 52 (1) of the Defence of India Rules.

Anti-glare measures for factories, electric power houses and the railway area should be decided upon and practised. In particular, glass plates used in the roofs of the factories should be suitably covered to prevent the reflection of light. The

existing emergency lighting system working from independent batteries may be extended, if possible, to cover areas where work has to go on even during an air raid such as the A. R. P. centres, hospitals, etc. in addition to vital points in factories, pit-heads and electrical and water supply stations.

If possible, while renewing electric bulbs high wattage bulbs may be replaced by those of low wattage and a plan for the removal of unnecessary lights worked out.

Railway and public conveyance companies should devise suitable methods of shading the lights of vehicles, signal lights, etc., in an emergency.

IV. Wardens' Organisation.

Kolar Gold Field will be divided into five A. R. P. Divisions as follows :—

Mining	Division I Nandydroog	Covering the area of the respective Mining Companies. The electrical and hospital areas (Mining) will be included in Division III Champion Reef.
	Division II Oorgaum	
	Division III Champion Reef	
	Division IV Mysore	
General	Division V Robertsonpet	.... Covering Robertsonpet, Andersonpet and the Oorgaum village.

Villages and buildings within half a mile radius of the above will form part of it for A. R. P. purposes. The M. & S. M. Railway will have a separate A. R P. organisation under the control of an officer of their own in accordance with the instructions of the Railway Board. The Superintendents of the respective Mining areas will be the Divisional Wardens for the first four Divisions. A. R. P. Controller will appoint a Divisional Warden for Division V.

Divisions will be subdivided into two or three groups. Each of the above groups will be in charge of a Group or Head Warden. Each group will consist of a number of sectors. No sector should overlap the Railway line which bisects the Mining areas practically throughout their length. Each Shaft Mining Office and Mining Factory may be constituted into separate sectors. Workmen's colonies will form independent sectors on the basis of one for about 5,000—6,000 population. Groups of bungalows may be formed into sectors. There may be one Wardens' post for each of the Markets at Robertsonpet and Andersonpet. Each sector will contain a Warden's post and be manned by at least six Wardens of whom two will be the Senior Warden and his Deputy and the remaining four, Area or Street Wardens to whom a specific number of streets or a defined area will be allotted.

Area Wardens should be residents or employees of the locality and will work in pairs. In view of a considerable number of workers being engaged for duties underground throughout the day, the number of Wardens for each sector should be doubled so that the required strength is available for A. R. P. duties by day and night. The total number of Wardens' posts may be limited to about 25 for the entire Kolar Gold Field area. The personnel of Area Wardens for each shift will on the above basis be 150. The number required on a night and day basis will therefore be 300. Add 50 per cent to provide reliefs in an emergency, making the total number of volunteers to be recruited and trained 450.

Note.—These are in addition to Building Wardens to be recruited (from among the clerical or menial staff) for important institutions and establishments accommodating more than 100 persons.

The offices of each Mining Superintendent may be the Headquarters for the first four Divisions. A suitable place may be selected in Robertsonpet to serve as Headquarters for Division V. Divisional Wardens will select accommodation required for Wardens' posts which should be on or near the telephone. Otherwise an emergency messenger service must be devised on a night and day basis. The buildings selected should be capable of being made blast and splinter proof at a later stage. Wardens' posts should be centrally situated so as to command a good view of the locality and should be easily accessible. Rooms on the ground level with few windows and sufficient space to accommodate the staff and the necessary equipment are preferable. The Divisional Wardens will appoint Group or Head Wardens and recruit Wardens for their respective areas.

They will form their own Divisional Committees, if necessary, to assist them in obtaining suitable volunteers and for educating the public.

V. Messenger Service.

As an alternative means of communication in the event of a breakdown of the telephone service, it is necessary to organise and train an emergency messenger service. The Scout Commissioner may be requested to earmark 45 (Senior) Scouts for A. R. P. work and allot them as follows:—

	Number of Scouts.	*Remarks.*
Division I to V	35	*i.e.*, one for each Warden's post and two for each Divisional headquarters.
Control Room	6	Two for duty in the Control Room and four for the emergency messenger service.
	4	Two per Depot.
Total	45	

The messengers will be provided with cycles. A runner service consisting of 10 persons may be organised and attached to Divisional Headquarters (two per Division).

Add 50 per cent to provide reliefs, making the total number to be recruited and trained 70 messengers and 15 runners. The reserve personnel will consist of volunteers since the total number of Senior Scouts in the Kolar Gold Field area is only 50 and insufficient to provide the reserve strength required.

VI. Air Raid Casualty Service.

This service is subject to the general control of the Chief Medical Officer, Mining Board, in Divisions I to IV (Mining) and of the District Medical Officer in charge of the Civil Hospital, Robertsonpet, in Division V (General).

(1) *First Aid Posts.*—Ten First Aid Posts may be established, *i.e.*, two in each of the five Divisions. First Aid Posts will be of two classes, medium and small, and one post in each Division may be of the medium class.

In addition, each of the two hospitals, *viz.*, the Kolar Gold Fields Hospital, Oorgaum and the Civil Hospital, Robertsonpet, will establish first aid posts in their hospitals.

Note.—These will be in addition to first aid arrangements in factories, schools, cinemas, clubs, etc.

The minimum strength of each post is one Doctor or leader, one Nurse and four first aiders. Divisional Wardens will select suitable locations for first aid posts which should have sufficient accommodation and a good water supply. They should be situated on the ground level if possible and be capable of being made blast and splinter proof at a later stage. The scale and equipment of the various posts as well as their location will be subject to the approval of the Hospital Sub-Committee (Bangalore).

There are already nearly 5,000 persons trained in first aid in Kolar Gold Fields. The difficulty is as regards Doctors and Nurses required to staff the posts. In the absence of Doctors, holders of the Red Cross Society Diplomas may, if there is no objection to this course, be placed in charge of first aid posts as leaders. Ladies will be requested to enlist as volunteers for first aid work and trained in nursing duties. An Auxiliary Nursing Corps may be organised in each Division. In the absence of a sufficient number of lady volunteers, male first aiders may be trained to do the work of Nurses.

Total number of first aid posts .... (plus two in the two hospitals).	10
Total personnel:—	
Doctors	10
Nurses	10
First Aiders	40+8
Total	60+8

Add 50 per cent reserve to provide reliefs for first aiders in an emergency, making the total number of first aiders to be recruited for A. R. P. 72.

(2) *First Aid Parties.*—Each first aid party will consist of four first aiders provided with motor transport. Eight such parties may be organised, four each for the areas to the east and west of the railway line.

Total personnel required :—32 first aiders and 8 drivers.

The first aid parties as above will be concentrated in the respective A. R. P. Depots. Cars of private persons, to be owner-driven as far as possible, should be earmarked for the purpose by the Divisional Wardens.

(3) *Casualty Clearing and Base Hospitals.*—The Kolar Gold Fields Hospital, Oorgaum, and the Civil Hospital, Robertsonpet, will serve as Casualty Clearing Hospitals for the areas east and west of the railway line respectively. Serious and stretcher cases in each area will be sent to them. The Local Fund Dispensary, Champion Reef, and the Maternity Clinics (5) may deal with less serious cases which may be sent there. Light cases received in each area will be dealt with in the first aid posts attached to the respective hospitals. Cases requiring prolonged treatment may, if necessary, be arranged to be conveyed by ambulance to a selected building at Bowringpet. The Tobacco Factory building there which is vacant would probably be found suitable for the purpose.

(4) *Ambulance Service.*—Four ambulances, two each for the areas east and west of the railway line respectively, may be organised. The motor vehicles now in use for conveying sick persons to hospitals in the Mining areas may be utilised for this purpose. One or two private buses (capable of being converted into ambulances at short notice and at small cost) may be borrowed and earmarked for use in each area, if necessary. Each ambulance will have one nurse, one attendant and one driver. In addition one car for sitting cases may be allotted to each of the two areas. The personnel required is four nurses, four attendants and four drivers. A reserve of 100 per cent is necessary, making the total number to be recruited and trained, 24.

Note.—No provision has been made in this Scheme for Anti-gas measures.

VII. Fire Fighting Service.

This service will be subject to the general control of the officer in charge of the Rescue Station, Nandydroog Mine, under the Mining Board.

(1) *General Fire Survey.*—A survey of the Mining and general areas will be made, marking the high risk areas and noting the number and position of fire hydrants, stand pipes and independent sources of water supply. The number and capacity of all over-head and underground cisterns should be ascertained and recorded. Any alternative source of water supply should be noted also. Observation posts for watching fires may be selected and indicated on the fire map.

Note.—Kolar Gold Field is dependent mainly on two sources of water supply at present, *viz.*, the Bethamangala Reservoir and the Mining Water Reservoirs. The latter serve as storage for unfiltered water pumped from the mines and may be filled to capacity and earmarked for fire-fighting purposes on the near approach of danger. Stagnant water pools or sumps may be conserved and supply of water maintained in underground tanks to be constructed for the purpose wherever necessary. The possibility of sinking bore-wells as an alternative source of drinking water may be considered. Old wells in Robertsonpet area and in nearby villages may be conserved as an additional source of water supply in case of need. Additional fire hydrants may be installed wherever necessary both in the factory and residential areas.

(2) *Heavy Fire-fighting.*—At present each Mining Company has an efficient and very adequate underground fire-fighting service under the control of the Rescue Station, Oorgaum. This service could be utilised and trained if necessary in surface fire-fighting. Four fire parties may be organised for general fire-fighting, two each for the areas east and west of the railway line, and concentrated in the respective A. R. P. Depots. This will be in addition to fire-fighting arrangements in the factories. The general fire parties may consist of six to eight persons equipped with manual pumps developing the required pressure to deal with big fires on the surface. They should be provided with motor transport to enable them to be moved quickly to any part of the Kolar Gold Field area in an emergency. One party at least may, if possible, be equipped with a trailer pump.

(3) *First Aid Fire-fighting.*—One mobile party consisting of three persons equipped with a stirrup pump and accessories will be recruited for each sector for what is known as "first aid fire-fighting". For the 25 sectors in the Kolar Gold Field area, the maximum personnel required is 75 volunteers who will be recruited and trained at the Rescue Station, Oorgaum. Arrangements should be made to keep three-fourths filled sand bags at intervals of 50—100 yards in built up areas in every sector and in every building.

(4) *Fire-watchers.*—Factories and important buildings may organise a fire-watching service to put out roof fires and to guide street fire parties. The arrangements should be on a night and day basis and fire-watchers should be given personal protection.

(5) *Subsidiary Fire-fighting Schemes.*—Fire-fighting schemes should be prepared for all large buildings, factories, offices, hospitals, cinemas, hotels, schools, theatres, railway stations, etc., and their requirements in respect of stirrup pumps, sand bags, buckets and extinguishers noted.

Special precautions are needed in the case of oil tanks, cyanide stores, timber stacks, coal dumps, etc.

Individual bungalows may organise three-or two-man manual parties by training orderlies or malis in the use of the stirrup pump.

VIII. Essential Services.

1. *Maintenance of Essential Services.*—Essential services may be classified as follows:—(i) Electricity—Power and Lighting, (ii) Telephones and Telegraphs, (iii) Public Transport—Roads and Railways, (iv) Water Supply and (v) Drainage. Each Department of Government and the Mining Board concerned should draw up plans for the protection of vital plant and key personnel, duplication of essential equipment and dispersal of stores, etc., and will organise a sufficient number of repair parties, separately for the areas to the east and west of the railway line.

2. *Rescue Parties (for Rescue, Salvage and Clearance of debris.)*—One light and one heavy rescue party provided with motor transport (Mining or private lorries earmarked for the purpose) and equipped on scales to be fixed by the Engineering Sub-Committee (Bangalore) will be organised by the Mining Board and located in the A. R. P. Depots for each of the two areas to the east and west of the railway line respectively. The necessary equipment will be earmarked now and assembled when required. Employees of the Mines already possessing the required experience of engineering operations involved in rescue work may be recruited on the basis of shifts of eight hours each. Each party will work under a person of the foreman type. Four individuals in each light rescue party should be given training in first aid and equipped with first aid pouches. The number of rescue parties for Kolar Gold Fields will therefore be two heavy and two light with a total personnel of some 80 persons at 40 per shift.

3. *Demolition Parties.*—While a certain amount of demolition work may have to be undertaken by rescue parties in the course of their work, demolitions on a large scale lie outside the scope of A. R. P. proper. It is however desirable in an industrial area like the Kolar Gold Field to have at least one such party, in view of the possibility of serious structural damage in the event of an air raid.

One demolition party equipped with motor transport and with the necessary tools and trained for heavy demolition work may be organised by the Mining Board and located at the Rescue Station, Oorgaum.

IX. A. R. P. Depots.

A suitable place on each side of the railway line may be selected by the A. R. P. Controller to serve as a depot at which the following motorised units of the A. R. P. Services will be concentrated:—

(1) Two ambulances and one car with staff.

(2) Four first aid parties and four cars.

(3) Two fire parties and lorries with manual pumps.

(5) Repair parties with vans belonging to Government, and Mining Departments.

Each Depot should be as centrally situated as possible and must be connected by telephone with the Control Room.

One Senior Warden will be posted at each Depot to maintain contact with the Control Room and a cyclist messenger will be placed at his disposal.

X. Control of Civil Population.

During an air raid such control will be exercised chiefly through the Police and Civic Guards whose duty it will be to control traffic, allay panic, prevent looting and enforce lighting restrictions. The Police and the Civic Guards will be trained from now on in the above duties and as many of them as possible should be given training in first aid. Civic Guards will be employed as far as possible in the areas in which they reside.

XI. Subsidiary A. R. P. Schemes.

(1) Detailed A. R. P. Schemes providing for—

(*a*) Control posts,
(*b*) Subsidiary warning system,
(*c*) Emergency lighting,
(*d*) First aid,
(*e*) Fire-fighting,
(*f*) Protection of vital plant and key personnel,

should be prepared for the following :—

(1) Factories and officers in the Mining area.
(2) Brick and Tile Factory.
(3) The Mining and Government Electric Power Houses.
(4) Water Supply Station (Bethamangala).

Note.—Arrangements should conform generally to the instructions contained in the following publications issued by the Government of India.—

(*a*) Organisation of Air Raid Precautions Services in industrial undertakings and the training and equipment of personnel.
(*b*) A Summary of Air Raid Precautions applied to factories.

The above Schemes should as far as possible be self-contained but the assistance of the general A. R. P. services will also be available in any of the areas, if required. The Superintendents of the Mining Companies and the heads of the other installations concerned will be the Chief A. R. P. Officers for their own areas.

(2) Arrangements covering the following items, *viz* :—

(*a*) Supplementary Warning,
(*b*) First Aid,
(*c*) Fire-fighting, and
(*d*) Personal protection,

should be made by the head of each institution in respect of the following :—

(1) Kolar Gold Fields and Civil Hospitals,
(2) Kolar Gold Fields, Oorgaum and other Clubs,
(3) Schools, Hostels and Boarding Homes,
(4) Cinemas,
(5) Large Hotels,

(6) Robertsonpet and Andersonpet Markets,

(7) P. R. P. Lines.

The above list is not exhaustive.

XII. Training.

A Class III Instructor will be deputed to Kolar Gold Fields to give general training to the volunteers after they have been recruited.

Lectures and demonstrations will be arranged to be given at a convenient place such as the Oorgaum Hall.

Training in specific duties for the several A. R. P. services will be arranged to be given by the Heads of such services.

Each Divisional Warden will prepare for all members of the A. R. P. services in his Division a suitable programme of training to be conducted in three stages, *viz.* individual, team and collective, and based on the official handbooks and training manuals.

APPENDIX I.

			Number.
1.	CONTROL ROOM—		
	Telephonists	2	
	Map and Tally Board Clerk	1	
		3	
	Add 100 per cent reserve to provide reliefs		6
2.	WARDENS' ORGANISATION—		
	Divisional Wardens	5	
	Group Wardens	15	
	Area Wardens 150 × 2 = ...	300	
		320	
	Add reserve of 50 per cent to provide reliefs for Area Wardens		 470
3.	MESSENGER SERVICE—		
	Messengers	45	
	Runners	10	
		55	
	Add reserve of 50 per cent to provide reliefs		83
4.	AIR RAID CASUALTY SERVICE—		
	(1) *First Aid Posts.*—		
	Doctors	10	
	Nurses	10	
	First aiders	48	
		68	
	Add reserve of 50 per cent to provide reliefs		92
	(2) *First Aid Parties.*—		
	First aiders	32	
	Drivers	8	
		40	
	Add reserve of 100 per cent to provide reliefs		80
	(3) *Ambulance Service.*—		
	Drivers	4	
	Nurses	4	
	Attendants	4	
		12	
	Add reserve of 100 per cent to provide reliefs		24
5.	FIRE FIGHTING SERVICE—		
	(1) *Fire Parties.*—		
	At one Foreman, six fire-fighters and one driver for each of the four fire-parties, the number required is 32.		
	Add reserve of 100 per cent to provide reliefs		64

			Number.
(2) *First Aid Fire-fighting.*—			
At three persons for each of the 25 sectors, the number required is 75.			
Add reserve of 100 per cent to provide reliefs		....	150
6. Essential Services—			
(1) *Rescue Parties.*—			
Heavy Parties—Foremen	....	2	
Men	....	16	
Light Parties—Foremen	....	2	
Men	....	20	
Drivers	....	4	
		44	
Add reserve of 100 per cent to provide reliefs		....	88
(2) *Demolition Party.*—			
Officers	....	2	
Men	....	12	
		14	
Add reserve of 100 per cent to provide reliefs		....	28
7. A. R. P. Depots—			
Senior Wardens	....	2	
Cyclist Messengers	....	2	
		4	
Add reserve of 100 per cent to provide reliefs		....	8
		Grand Total	1,093

APPENDIX II.

		Cars.	*Buses.*	*Lorries.*
1. First Aid Parties (8)	....	8	....	....
2. Ambulance Service—				
Ambulances (4)	....	....	4	....
Cars for sitting cases	....	2	....	....
3. Fire Service—				
Fire Parties (4)	....	....	....	4
4. Rescue Parties (4)	....	....	....	4
5. Demolition Party (1)	....	....	....	1
		10	4	9

PART II—THE OPERATIONAL STAGES.

STAGE A.—From now until the near approach of danger.

I. Control.

The A.R.P. Executive Committee will be set up and the Controlling Officers appointed.

The combined Control Room and Reporting Centre will be established and equipped with map and tally board. The personnel (3) will be recruited and trained and the telephone connections planned out. Central key for operating hooters will be installed.

II. Warning System.

The warning signals will be decided upon and the public instructed through posters, press notes, instructional gramophone records and later on through weekly warning tests. Loud-speakers will be installed at selected places.

III. Lighting Restrictions.

The general policy will be settled and will provide for speed limits of vehicles and suitable traffic signals under restricted lighting conditions.

Test black-outs will be held, including places within 25 miles radius.

IV. Wardens' Organisation.

The A.R.P. Controller will appoint the Divisional Warden for Division V and Divisional Wardens will appoint Group or Head Wardens. The latter will recruit at least three Area Wardens for each of the 25 sectors, the number being raised gradually to six Wardens per sector. The reserve strength need not be recruited at this stage. Area Wardens will appoint two Building Wardens at least for each important building other than those mentioned in Section XI of the Scheme, and two first aid fire-fighters for each sector.

Divisional Wardens will select suitable accommodation for Wardens' posts and prepare lists of the equipment required. They will also arrange for the individual, team and collective training of the volunteers in their respective Divisions, including those belonging to institutions mentioned in Section XI of the Scheme.

Area Wardens will complete their survey of their sectors, prepare sector maps and train Building Wardens in their duties.

V. Messenger Service.

The personnel (55) will be selected and trained. They will be provided with route maps indicating alternative means of communication between the Control Room, Divisional Headquarters, A. R. P. Depots and Wardens' posts.

VI. Air Raid Casualty Service.

The personnel (120 omitting reserves) will be recruited and trained.

Locations suitable for first aid posts will be selected and the requisite equipment listed. Transport for first aid parties (8 cars) and for the ambulance service (4 buses and 2 cars) will be earmarked and plans made for the rapid conversion of the vehicles borrowed. The hospitalisation scheme will be worked out in detail.

VII. Fire-fighting Service.

The general fire-survey will be carried out, a fire map prepared and a scheme for the protection of high risk areas drawn up.

The personnel of the fire parties (32 omitting the reserves) will be recruited and trained (but individual equipment will not be issued) and motor transport and manual pumps required earmarked. One trailer pump at least will be acquired.

Divisional Wardens will arrange to train first aid fire-fighters in the use of the stirrup pump and sandbags.

Buildings for which fire-watchers are considered necessary will be listed and the required staff allotted and trained.

Standing fire-fighting instructions for the guidance of the institutions mentioned in Section XI of the Scheme and of the general public may be prepared.

A consolidated indent of the fire-fighting equipment required for the entire area will be prepared and a note made of the articles which are not obtainable locally.

VIII. Essential Services.

1. *Rescue and salvage parties.*—The total personnel required (44 excluding reserves) will be recruited and trained by the Mining Board and their equipment and transport (4 lorries) earmarked.

2. *Demolition parties.*—The personnel for one party (14) will be recruited and trained by the Mining Board and its equipment and transport (one lorry) earmarked. Private contractors will also be asked to form and train demolition squads.

3. *Maintenance of essential services.*—Standards of structural protection will be prescribed and plans for the protection of vital plant and key personnel prepared. Essential stores required will be listed and arrangements made to procure them. Breakdown gangs will be formed by the Government and Mining departments concerned and trained in emergency repair duties.

IX. A. R. P. Depots.

Accommodation will be earmarked and the personnel (Wardens and Messengers) recruited and trained by the Divisional Wardens. Alternative methods of communication with the Control Room will be worked out.

X. Control of Civil Population.

A concerted plan of action for each area will be prepared. Standing instructions for the Police, Civic Guards and the public will be issued. Transport required in an emergency will be earmarked and allotted to each area. A scheme for the protection and control of live stock, transport animals, etc., will also be devised.

XI. Subsidiary A. R. P. Schemes.

The list will be completed and the heads of the institutions concerned requested to draw up suitable subsidiary schemes for their premises.

After the various schemes have been prepared and approved by the A. R. P. Executive Committee, the personnel will be trained, the necessary equipment provided and periodical practices held, which will include an occupancy test of places set apart in each building as shelters.

STAGE B.—On the near approach of danger.

I. Control.

The combined Control Room and Reporting Centre will be equipped and permanently staffed. Reserve personnel will be enrolled and trained and the telephonic broadcast connections installed. Frequent tests of efficiency will be held.

II. Warning System.

The necessary equipment and transport facilities for spreading the alarm will be assembled at the appropriate centres. Warning tests will be held frequently.

III. Lighting Restrictions.

A notification will be issued by Government under Rule 52(1) of the Defence of India Rules, empowering the Police, Civic Guards and Air Raid Wardens to enforce the restrictions. Extended black-out tests will be carried out.

IV. Wardens' Organisation.

All the posts will be established and equipment issued. Reserve personnel will be enrolled and trained rapidly. Night and day tests will be held to ensure the prompt turn-out of personnel. Reporting practices will be held weekly. There will be combined exercises and practice alarms.

V. Messenger Service.

The staff will be equipped and allocated to particular posts.

VI. Air Raid Casualty Service.

Buildings earmarked for first aid posts will be taken over and equipped. Reserve staff will be recruited and trained.

Vehicles earmarked for casualty services will be taken over, converted and allocated to the respective A. R. P. Depots.

A scheme for the rapid evacuation of less serious cases from the hospitals will be worked out and the necessary medical stores issued.

VII. Fire-fighting Service.

All fire observation posts will be manned and arrangements for special areas completed. Fire parties with motor transport will be allocated to the respective A. R. P. Depots. Stirrup pumps and sandbags (¾ filled) required for first aid fire-fighting will be issued to Divisions and distributed among sectors. Fire watching posts will be established. Subsidiary fire-fighting arrangements will be completed.

VIII. Essential Services.

The Rescue, Demolition and Repair parties will be brought up to full strength, including the reserves and motor transport. Parties will be allocated to particular A. R. P. Depots.

Plans for the protection of vital plants and key personnel will be put into effect.

IX. A. R. P. Depots.

Accommodation earmarked will be taken over and the assembly of units practised. Alternative methods of communication will be tried out.

Efficiency tests will be held, the parties acting both individually and as a "convoy". Practices will be carried out by night and by day.

X. Control of Civil Population.

"Take Cover" practices will be held. Buildings will be selected to serve as emergency shelters for those caught in the streets during an air raid and to house persons rendered homeless. Slit trenches may be dug wherever possible and necessary. Police Stations will serve as depots for salvaged properties and as enquiry offices.

XI. Subsidiary A. R. P. Schemes.

All such schemes will be completed and frequent practices held by night and by day to test the efficacy of the arrangements, particularly for the evacuation of the occupants at short notice to the places set apart as shelters.

STAGE C.—During an air raid.

I. Preliminary Warning.

On receipt of advice from the A. R. P. Officer, Bangalore City, or the Regional Military Liaison Officer or otherwise that an air raid is expected in about 15—20 minutes, a preliminary confidential warning (Air Raid Message YELLOW) will be issued from the Control Room to all places connected by the telephonic broadcast. The heads of A. R. P. Services and of institutions mentioned in Section XI of the Scheme will direct parties and services under their control to assemble at once at their posts and to stand by in readiness for action. If the warning is given after dark, surface lights in Kolar Gold Field Mining area will be switched off from the Mining Electrical Power House, and the Superintendent, Power and Lighting, will be responsible for switching off lights in Robertsonpet, Andersonpet, etc., in Kolar Gold Field area and in the towns of Kolar, Bowringpet and Bethamangala. Air Raid Wardens should turn out for duty wherever they happen to be, if there is no time to reach their posts. Arrangements in the hospitals for the reception of air raid casualties will be completed. The Control Room will be manned day and night.

II. Action Warning.

The A. R. P. Controller or his Deputy will be responsible for giving the public warning (RED), and as soon as it is sounded the arrangements for spreading it will be put into effect. If the warning is sounded at night, all lights except underground lights will be switched off.

The instructions contained in the Mysore Hostile Attack (Precautions) Order and orders regarding lighting restrictions will be enforced by the Police, Civic Guards and Air Raid Wardens. The last named will patrol their sectors, taking cover as they move. At least one Warden must remain at each Warden's post to attend to the telephone or to send out messages. Any fires started in the sector should be prevented from spreading with the help of the first aid fire-fighting party, and all minor damage and injuries attended to on the spot.

Serious damage requiring the assistance of a motorised unit from the A. R. P. Depot will be reported by telephone to the Control Room direct (for particulars see Form I) by Wardens, Police or Civic Guards, as the case may be. All requisitions to A. R. P. Depot for such assistance will be issued from the Control Room and recorded in Form II. The return of units to the A. R. P. Depots should be reported at once to the Control Room with particulars of the action taken. Subsequent damage should be reported through further reports.

Damage reports received in the Control Room will be recorded there in Form III and all occurrences and movements of A. R. P. Services plotted on the Control Room Map.

When units of several A. R. P. Services are operating together, the Senior Warden on the spot will take charge and guide the operations.

The messenger service should be employed in the event of a complete breakdown of the telephone and any vehicle available on the spot may be commandeered for the purpose.

Serious casualties will be removed to hospitals direct and not through first aid posts, where only light and walking cases will be attended to. First aid parties will classify casualties and use tie-on cards for cases which are to be sent to hospitals.

If a fire is beyond the control of the first aid fire party, the nearest fire party must be asked for assistance direct and the fact intimated to the Control Room at the same time.

All salvaged property will be handed over to a Police Officer or Civic Guard or taken to the nearest Police Station.

A. R. P. motorised units should return to their depots on the completion of their work and await further orders.

The Police and Civic Guards will maintain order, control the movements of the civil population and keep the roads free for the passage of A. R. P. vehicles, all of which should carry badges which can be clearly seen by night as well as in the day time. Damaged areas should be cordoned off pending the arrival of A.R.P. units and until the latter have completed their work.

Area Wardens will continue to patrol their sectors until the "raiders passed" signal is given.

III. The "Raiders Passed."

The arrangements for spreading this signal (GREEN) will be the same as for the 'Action Warning.'

The Police and Civic Guards should continue to regulate the movements of the civil population in order to prevent accidents and confusion.

Areas where A. R. P. services are still working should be kept clear. Damaged areas and streets should be barricaded and traffic diverted.

Members of A. R. P. Services not engaged in specific duties will return to their posts and stand by until discharged by their officers on advice from the Control Room. All equipment should first be checked, tested, cleaned and restored to its place.

People in damaged areas will, if necessary, be evacuated to safer places in an orderly manner by the Police and Civic Guards.

The A. R. P. Controller or his Deputy will issue as soon as possible for the information of the public a report of the damage and casualties.

FORM I.

DAMAGE REPORT FORM.

Form of report to Report Centre.

AIR RAID DAMAGE (Commence report with these words).	
Reporting Agent, *e.g.*, Police—Name and designation. Wardens' Post No. or Wardens' Name and No.	
Position of occurrence.	
Type of bombs :—High Explosive—Incendiary—Poison Gas.	
Approximate Number of casualties— (If any trapped under wreckage, say so).	
If fire, say so—	
Damage to mains—Water/Electric Cables/Sewers.	
Names of roads blocked	
Position of any unexploded bombs.	
Time of occurrence (approx.)	
Services already on the spot or coming,	
Remarks.	

ORIGINAL } These words are for use with a report sent by messenger.
DUPLICATE } Delete whichever does not apply.

FORM II.

Date	Time at which receipt or despatch of message was completed.	Telephonist's initials.

ADDRESS—TO:—

TEXT OF MESSAGE:—

TIME OF ORIGIN OF MESSAGE:—

ADDRESS—FROM:—

SIGNATURE (of official authorising the despatch of an "out" message).

FORM III.

Message form for use at the Report Centre.

(For "IN" Messages. For the text of messages other than reports of Air Raid Damage only the "Remarks" space should be used).

Date	Time at which reception of message was completed.	Initials of Receiving Operator.

IR RAID DAMAGE—Designation of Reporting Agent, (*e.g.* Warden's Post No	
'osition of occurrence	
'ype of bombs. H.E./Incendiary/Poison Gas.	
'asualties:—Approximate No. ..... , Whether any trapped under wreckage.	
'ire. (If reported, write word "FIRE" ...	
Damage to mains :—Water/Electric Cables/ Sewers.	
lames of any roads blocked	
'osition of any unexploded bombs ...	
'ime of occurrence (approximate) ...	
3ervices already on the spot or coming ...	
Remarks	

* Delete those NOT reported.

SERIAL NO. OF OCCURRENCE.

(This No. will be inserted in the Control Room)

.....

WD 3744—GPB—125—7-3-42

(1) Chief Sec

CHIEF SECRETARIAT.

No. 1850—*W.*, *dated* 20*th February* 1942.

Government are pleased to issue the following order under sub-rule (1) of Rule 52 of the Defence of India Rules as applied to Mysore, *viz* :—

1. This order shall come into force at once within the limits of the Kolar Gold Field, the Sanitary Board Area adjacent thereto, the towns of Kolar and Bowringpet and the village and Pumping Station of Bethamangala.

2. In the event of a hostile attack, whether the Air Raid Warning signal is sounded or not, or whenever the A. R. P. Controller arranges after previous notice to the public for a practice black-out, the following provisions shall come into force and shall remain in force until the " Raiders Passed "signal has been sounded or until general lighting restored, as the case may be.

(i) No light brighter than that emanating from an ordinary oil lamp or candle shall be used in any building or part of a building or any premises appurtenant to such building or part thereof, unless it is so placed that no direct or reflected ray of light or glare emanating from it is visible from any angle outside the building.

(ii) No light shall be exhibited on the outside of any building or in any street or open space.

(iii) All lights in all vehicles shall be extinguished except in the case of Police vehicles, ambulances, fire engines, rescue party lorries, authorised Air Raid Precautionary Staff vehicles, salvage corps vehicles and vehicles which are the property of the Defence Forces, all of which must carry badges which can be clearly seen at night as well as in the day time.

By Order,

M. G. MEHKRI,

Chief Secretary to Government.

P. R. 1383.

W 202-40-6.

No. 1995/W.
Enc. 1

12th March 1942.

The District Magistrate,
Kolar District.

With reference to Notification No.1850/W dated the 20th February 1942 regarding lighting restrictions forwarded to you with this office memo No.1851-3/W dated the 20th February 1942, I am directed to invite your attention that lighting restrictions apply to Kolar and Bowringpet and Bethamangala also.

I have the honour to be,
Sir,
Your most obedient servant,

For Chief Secretary to Government.

No 1996-W.
W202-40-P.

12th March 1942.

The Inspector-General of Police in Mysore.

Air Raid Precautions.

I am directed to request that, whenever sirens are sounded in Kolar Gold Field, arrangements may kindly be made that Kolar, Bowringpet and Bethamangala get intimation.

I have the honour to be,
Sir,
Your most obedient servant,

(Sd.) M.G. Mehkri.
For Chief Secretary to Government.

P.T.O.

Memo No. 1997/W. Dated the 12th Mar. 1942.

Copy of the foregoing is forwarded with compliments to the District Magistrate, Kolar District, for information.

12/3

For Chief Secretary to Government.

W 202-40-8

1398/W.

GOVERNMENT OF MYSORE

Tele gram / phone

No. ARP. 220
Encls.

MAR 25 1942
No. 9769

OFFICE OF
the Controller for A.R.P.
Kolar Gold Field,
Oorgaum.

Date 20th March 1942.

To

The Inspector General of Police
in Mysore,
Bangalore.

Sir,

A.R.P. PRACTICE.

The fourth A.R.P.practice was conducted throughout the Kolar Gold Field area, when a blackout was carried out for half an hour between 7-30 P.M. and 8 P.M. yesterday. The lighting restrictions imposed by the Defence of India Rules as applied to Mysore were strictly enforced and all electric lighting in the towns of Kolar and Bowringpet and in the Pumping Station at Bethamangala were cut off for half an hour as directed by Government Notification No.1850/W dated 20th February 1942. No incidents were reported during the period of blackout.

I have the honour to be,
Sir,
Your most obedient servant,

Sd/- K. Duraiswamier,
Controller for A.R.P.
Kolar Gold Field.

Md.S.

23 MAR. GOVT. OF MYSORE.

No. ARP. 221-3

Oorgaum, Dated 20th March 1942

Copy forwarded with compliments, to the Chief Secretary to the Government of Mysore, Bangalore, for information.

Subd for perusal.

Chief Sec

Controller for A.R.P.
Kolar Gold Field.

25 MAR. GOVT. OF MYSORE.

W 202-40-9.

BANGALORE 14131 W

D.O. No. A.R.P.44/41-42. 24th March, 1942.

E. G. B. PEEL, Esq., C.I.E.,
Inspector-General of Police
in Mysore.

MAR 27 1942
No 9828

A.R.P. FOR K.G.F.

Dear Mr. Mehkri.

I enclose a copy of a D.O. letter No.ARP.224 dated 20-3-1942, from Mr. Duraiswamier and recommend that in the circumstances explained, the suggestion that the Assistant Commissioner of Labour should be appointed Deputy Controller for the Kolar Gold Field area in addition to his own duties, may be adopted.

Yours sincerely,
[signature]

Gulam Mohiyuddin Mehkri, Esq., B.A., LL.B.,
Chief Secretary to the Government of His Highness the
(Maharaja of Mysore,
BANGALORE.

Sorbd with a copy to the IGP

Sorbd with a memo to the Commr Labour & DC Kolar

Issued No 2216/W dt 28.3.42 to the I.G.P. & memos to the Officers Concerned.

CONFIDENTIAL

D.O. Letter No.ARP.224 dated 20th March 1942, from the A.R.P. Controller, K.G.F., to the Inspector General of Police in Mysore, Bangalore.

I am glad to inform you that the A.R.P. scheme for Kolar Gold Field is being gradually put into practice and the organisation and the selection of personnel are nearing completion. We have already had four A.R.P. practices - two in the day and two during nights and though perfection has not yet been achieved, there are unmistakable signs of the people in this area becoming A.R.P. minded very soon. In this connection, I wish to bring to your kind notice that I am a touring officer with jurisdiction all over the State, and it often becomes necessary to leave headquarters suddenly. The Inspector of Mines can no doubt look after my duties as deputy but as he lives in Robertsonpet and not close to the Control Room, some valuable time will be lost before he could get there. I would therefore suggest that the Asst. Commissioner of Labour who has been provided with Government Quarters opposite to mine and who is always in touch with labour may be appointed as Deputy A.R.P. Controller in addition to his duties. His bungalow is also connected with a telephone directly connected to the Central Exchange where the control room is being built.

COPY.

N. Madhava Rao

for Inspector General of Police.

28th March 1942.

No 2216 W. —
W 202-40-10.

The Inspector-General of Police in Mysore.

A.R.P. for K.G.F.

With reference to your D.O. letter No.A.R.P.44 dated the 24th March 1942, I am directed to convey ~~sanction~~ approval of Government to your suggestion that the Assistant Commissioner of Labour may be appointed as Deputy Controller for the Kolar Gold Field area, in addition to his own duties.

I have the honour to be,

Sir,

Your most obedient servant,

(Sd.) M.G. Mehkri.

For Chief Secretary to Government.

Memo No. 2217 W. Dated the 28th March 1942.

Copy of the above is forwarded with compliments to the Chief Inspector of Mines & Explosives in Mysore and A.R.P. Controller, K.G.F., for information.

Memo. Nos. 2230-1 dt 30 3/42

For Chief Secretary to Government.

Copies to Comm^r of Labour
D. M. Kolar.

W 202-40-11.

11466/W.

Tele{gram : " POLICE."
one : 2108.

POLICE DEPARTMENT.

OFFICE OF THE
INSPECTOR-GENERAL OF POLICE IN MYSORE,

No. A.R.P. 408/41-42.
Encl. Cl as

Bangalore, dated...30th March,.....194 2.

FROM

The Inspector-General of Police in Mysore,
Bangalore.

APR 4 1942
No 60132

TO

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.

SIR

I have the honour to forward herewith a copy of the letter No.J.1.C.1100/41-42 dated 41-42 from the Civil Defence Commissioner, Kolar District, Kolar for information of Government.

I have the honour to be,
Sir,
Your most obedient servant,

N. Macdonald

For Inspector General of Police.
(Absent from Station)

KVN.

Letter No. [illegible] dated 24th March 1942 from the Civil Defence Commissioner, Kolar District, Kolar, to the Inspector General of Police in Mysore, Bangalore.

I have the honour to state that practice black-out was conducted for half an hour between 7-30 P.M. and 8 P.M. on the 19th March 1942, at Kolar, Bowringpet, K.G.F. area and Bethamangala. The lighting restrictions imposed by the Defence of India Rules as applied to Mysore, were strictly enforced and electric lighting (house and street lighting) was cut off during the above period at these places. Arrangements had been made at Kolar for ensuring that no light was visible to the outside from any of the buildings and that no persons remained in the streets or in open spaces. The people of Kolar co-operated with the local authorities in a splendid manner and made the practice black-out a perfect success.

No untoward incidents were reported during the period of the black-out.

COPY.

N. Mehrdad

For Inspector General of Police.

Serial No.

Submd. for personal.

WD[illegible]4155- GPB—55,000—23-10-41

Confidential.

D. O. No. C.C.61/41-42.

W 202-40-12.

1497/W.

E. G. B. PEEL, Esq., C.I.E.,
Inspector-General of Police
in Mysore.

BANGALORE
April 2, 1942.

OFFICE OF THE
MINISTER FOR LAW
APR 7 1942
No. 10286

A.R.P. at Kolar Gold Field (Blackout).

My dear Mr. Mehkri.

I enclose two printed copies of the Standing Instructions issued over the signature of the General Superintendent, Cauvery Power Scheme, for the guidance of the Automatic Telephone Exchange Operator and the Mysore Government Transformer Station at Kolar Gold Field.

Yours sincerely,
E. G. B. Peel

M.G.Mehkri, Esq., B.A., LL.B.,
Chief Secretary to the Government of Mysore.

Submitted for perusal.

Law Minister) 6.4.42

CONFIDENTIAL.

AIR RAID PRECAUTIONS.

KOLAR GOLD FIELD.

Standing Instructions for the Kolar Gold Field Automatic Telephone Exchange Operator and the Mysore Government Transformer Station.

1. Procedure to be followed on receipt of Air Raid Warnings.

(*a*) On receipt of "Air Raid Message Yellow" (the 'preliminary caution' meaning that raiding aircraft are approaching) or "Air Raid Warning Red" (the 'action warning' meaning that an air raid is imminent) from the Bangalore City Telephone Exchange Operator, *at any time of the day or night.*—

The Kolar Gold Field Automatic Telephone Exchange Operator will immediately communicate it verbatim to the following, in the order named :—

(*a*) The Chief Inspector of Mines and A. R. P. Controller for the Kolar Gold Field area.

(*b*) The Operator, Mysore Government Transformer Station.

(*c*) The Operator, Kolar Mining Power Station.

(*d*) The Special Superintendent of Police, Kolar Gold Field.

(*b*) "Air Raid Message White" (the "cancel caution" meaning that the preliminary threat conveyed in "Air Raid Message Yellow" has passed) and "Air Raid Message Green" (the "Raiders Passed" signal) will be communicated to the same persons and in the same manner as the "Air Raid Message Yellow" and the "Air Raid Warning Red".

2. Procedure to be followed by the Operator at Mysore Government Transformer Station.

On receipt of an "Air Raid Message Yellow" or "Air Raid Warning Red", the Operator will immediately transmit it verbatim to :—

(*a*) Bethamangala Pumping Station.

(*b*) The Superintendent, Power and Lighting, *Kolar Gold Field, and if it is received after dark* will open out the following circuits :—

(*i*) Bowringpet,
(*ii*) Andersonpet,
(*iii*) Robertsonpet,
(*iv*) Street Circuit,
(*v*) Station lighting,

and inform the Operators at Bowringpet and Kolar Town that the black out is due to an "Air Raid Message Yellow" or an "Air Raid Warning Red" or is a test black out, as the case may be. He should arrange to close the Bowringpet line on hearing from the Operators at Kolar Town and Bowringpet that all the feeders have been opened.

NOTE :—When the black out is effected, the only lights in service in the Transformer Station will be two hooded lights on the panel, one hooded light near the synchronous condenser and one hooded lamp near the operator's table.

3. Procedure to be followed by the Operator at Bethamangala Pumping Station.

On receipt of "Air Raid Message Yellow" or "Air Raid Warning Red" from the *Kolar Gold Field* Transformer Station, the Operator on duty should open out the lighting switch of Bethamangala Colony and the Pumping Station and should also open out the rural feeder which feeds Mulbagal.

NOTE :—When the black out is effected, only three hooded lights will be in service in the Pumping Station, *i.e.*, one near the switch board, one near the pumping unit and the third near the low lift pumps. The hoods for the lamps must be deep conical covers.

4. Procedure to be followed by the Operator at Bowringpet.

Immediately the power goes off and he learns from the Operator at Kolar Gold Field that the black out is due to an air raid warning, he should arrange to open out the main switch, feeder switches and the street circuit and inform the Operator at Kolar Gold Field that he is ready to receive power. As soon as the Bowringpet line has been charged by the *Kolar Gold Field* Operator, he should arrange to close the main switch and be ready to resume service on receipt of "Air Raid Message White" or "Air Raid Message Green."

NOTE :—The only lights in service in the station during the black out will be one hooded light on the switch board and a second near the Induction Voltage Regulator.

5. Procedure to be followed by the Operator at Kolar Town Power Station.

Immediately the power goes off and he learns from the Operator at *Kolar Gold Field* that the black out is due to an air raid warning, he should open out the main switch and all the feeders and the street circuit and inform the Operator at Kolar Gold Field that he is ready to receive the power. At the same time he should inform the Deputy Commissioner, Kolar, over the departmental telephone, that the black out is due to an "Air Raid Message Yellow" or "Air Raid Warning Red" or is a test black out, as the case may be.

When the Kolar Gold Field Operator charges the Bowringpet-Kolar line, the Kolar Town Operator should close the main switch and the Chintamani feeder and be ready to resume service on other circuits as soon as he receives "Air Raid Message White" or "Air Raid Message Green", which should similarly be communicated to the Deputy Commissioner, Kolar.

6. On receipt of "Air Raid Message White" or "Air Raid Message Green", all Operators should resume service in the manner prescribed for resuming service after a shut-down.

7. Whenever it is desired to effect a practice black out, the text of the Air Raid Warning should invariably be preceded by the word "Test" repeated twice.

NOTE :—For the purpose of communicating all Air Raid Warnings a signal of four long rings will be adopted throughout the Departmental Telepone System, so that all Opertors on duty may realise that four long rings constitute an emergency call and answer the telephone immediately.

Dated 31st March 1942.

M. HAYATH,
General Superintendent,
Cauvery Power Scheme.

WD 3923—GPB—100—31-3-42

CONFIDENTIAL.

AIR RAID PRECAUTIONS.

KOLAR GOLD FIELD.

Standing Instructions for the Kolar Gold Field Automatic Telephone Exchange Operator and the Mysore Government Transformer Station.

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The Kolar Gold Field Automatic Telephone Exchange Operator will immediately communicate it verbatim to the following, in the order named :—

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(*b*) The Operator, Mysore Government Transformer Station.

(*c*) The Operator, Kolar Mining Power Station.

(*d*) The Special Superintendent of Police, Kolar Gold Field.

(*b*) "Air Raid Message White" (the "cancel caution" meaning that the preliminary threat conveyed in "Air Raid Message Yellow" has passed) and "Air Raid Message Green" (the "Raiders Passed" signal) will be communicated to the same persons and in the same manner as the "Air Raid Message Yellow" and the "Air Raid Warning Red".

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(*i*) Bowringpet,
(*ii*) Andersonpet,
(*iii*) Robertsonpet,
(*iv*) Street Circuit,
(*v*) Station lighting,

and inform the Operators at Bowringpet and Kolar Town that the black out is due to an "Air Raid Message Yellow" or an "Air Raid Warning Red" or is a test black out, as the case may be. He should arrange to close the Bowringpet line on hearing from the Operators at Kolar Town and Bowringpet that all the feeders have been opened.

NOTE :—When the black out is effected, the only lights in service in the Transformer Station will be two hooded lights on the panel, one hooded light near the synchronous condenser and one hooded lamp near the operator's table.

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On receipt of " Air Raid Message Yellow " or " Air Raid Warning Red " from the *Kolar Gold Field* Transformer Station, the Operator on duty should open out the lighting switch of Bethamangala Colony and the Pumping Station and should also open out the rural feeder which feeds Mulbagal.

NOTE :—When the black out is effected, only three hooded lights will be in service in the Pumping Station, *i.e.*, one near the switch board, one near the pumping unit and the third near the low lift pumps. The hoods for the lamps must be deep conical covers.

4. Procedure to be followed by the Operator at Bowringpet.

Immediately the power goes off and he learns from the Operator at Kolar Gold Field that the black out is due to an air raid warning, he should arrange to open out the main switch, feeder switches and the street circuit and inform the Operator at Kolar Gold Field that he is ready to receive power. As soon as the Bowringpet line has been charged by the *Kolar Gold Field* Operator, he should arrange to close the main switch and be ready to resume service on receipt of " Air Raid Message White " or " Air Raid Message Green."

NOTE :—The only lights in service in the station during the black out will be one hooded light on the switch board and a second near the Induction Voltage Regulator.

5. Procedure to be followed by the Operator at Kolar Town Power Station.

Immediately the power goes off and he learns from the Operator at *Kolar Gold Field* that the black out is due to an air raid warning, he should open out the main switch and all the feeders and the street circuit and inform the Operator at Kolar Gold Field that he is ready to receive the power. At the same time he should inform the Deputy Commissioner, Kolar, over the departmental telephone, that the black out is due to an " Air Raid Message Yellow " or " Air Raid Warning Red " or is a test black out, as the case may be.

When the Kolar Gold Field Operator charges the Bowringpet-Kolar line, the Kolar Town Operator should close the main switch and the Chintamani feeder and be ready to resume service on other circuits as soon as he receives " Air Raid Message White " or " Air Raid Message Green ", which should similarly be communicated to the Deputy Commissioner, Kolar.

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NOTE :—For the purpose of communicating all Air Raid Warnings a signal of four long rings will be adopted throughout the Departmental Telepone System, so that all Opertors on duty may realise that four long rings constitute an emergency call and answer the telephone immediately.

Dated 31st March 1942.

M. HAYATH,
General Superintendent,
Cauvery Power Scheme.

WD 3923—GPB—100—31-3-42

SECRET

Form No. 24]

~~MYSORE POLICE DEPARTMENT.~~

In reply, please quote number, date and short title.*

Received..... .....*Registered*.....

From (Name) K. Duraiswamier, Esq., B.A.,A.I.M.M.,

(Designation) Controller for A.R.P. Kolar Gold Field

Post Box..... ....., (STATION) .....Oorgaum..... .....

Telegraphic Address ....

To

Gulam Mohiyuddin Mehkri, Esq., B.A.,LL.B.,
Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.

*No.*ARP. 648-50 *dated* 5th May .....*194* 2.

SIR,

ENCLOSURES.....

.....

.....

SPARE COPIES.....

I have the honour to submit herewith a brief not on the A.R.P. Scheme in Kolar Gold Field.

The K.G.F. Area has been made into six divisions for A.R.P. purposes as follows:-

Division	I	Nundydroog Mine
"	II	Ooregum Mine
"	III	Champion Reef Mine
"	IV	Mysore Mine
"	V	Sanitary Board Area, particularly Robertsonpet, Andersonpet, Ooregum Village and Bethamangal
"	VI	Kolar Gold Field Electricity Department.

In I to IV and VI Divisions the A.R.P. Organisation has been (and is being) done on an elaborate scale.

1. The divisional headquarters are conveniently situated and protected with sand bags with two telephones on separate lines and are equipped with ambulance vans and lorries with water-waggon trailers attached, complete with hand pumps and hose pipes for dealing with fires in the lines where water may not be readily procurable. In addition they are fully provided with first-aid materials.

2. Each Division comprises of a number of groups conveniently located with reference to population and residential quarters. The personnel

personnel of each post consists of a group warden, assistant wardens, first-aid parties, stretcher-bearers and scouts for messengers. It is also equipped with telephone, first-aid articles etc.
Each First-Aider is provided with a box of first-aid equipment.

3. Shelters.

Slit trenches. For a population of 71,747 on the Mining area, 34,428 R.ft. of the standard type of slit trenches have been dug.

Other shelters: In addition, there are pucca shelters made of old boilers and boiler flues properly protected. Tunnels have been made of brick and cement or steel arches: These can provide shelter for thousands of persons.

The work of providing more trenches is still in progress.

4.Fire-fighting equipment. Particular attention has been paid to the existing Fire Service on the Mines and this has been improved and added to in a number of places.

5.Mobile fire and demolition services have been organised.

6. Adequate shelters have been provided close to the various surface works.

7. Underground works. In the event of an Air Raid Warning, all efforts will be made to get men from the deeper parts of the Mines up to a through ventilated level.

8. Four persons who were trained in Bangalore for A.R.P. work have been conducting classes in the four Mines and have trained about 400 A.R.P. Services personnel. The classes are still being continued.

Division V. This Division has been treated separately as it comes under the direct management of the Sanitary Board. An estimate for A.R.P. equipment in this area amounting to a lakh of rupees has been submitted to the Sanitary Board for sanction.

1. First-aid posts have been organised, one at Ooregum Village, two at Robertsonpet and one at Andersonpet.

2. The formation of groups in this Division is going on.

3. For a population of 26,131 in this area, 2,423 R.ft. of slit trenches have been dug. This is inadequate.

4.Arrangements for fire-fighting in this area are not satisfactory. Two thousand bags and 80 c.yds. of sand and some buckets and barrels for storing water are being provided. Appliances for fighting serious fires are wanting.

5. An officer of the Department of Mines & Explosives was trained in A.R.P. Work in Bangalore and he has been conducting classes daily and has trained 100 A.R.P. volunteers. The Assistant Surgeon attached to the Civil Hospital is conducting classes for training people in First-Aid. Both classes are being continued to train more A.R.P. Services Personnel.

Bethamangala. It is regrettable to observe that the suggested urgent protections for the Water Works have not yet been provided. This is the only source of water supply to K.G.F. and as such the necessary protective measures should be immediately carried out.

General.-

1. Copies of pamphlets, bit notices and wall posters, numbering several thousands, have been widely distributed among the public regarding precautions to be taken during Air Raids. In addition, several meetings are being held to educate the public in A.R.P. work.

2. Seven A.R.P. Practices, four during day light and three black-outs, were conducted with and without notice. More practices will be held without notice.

3. Air Raid Signals: Sirens have been installed at important shaft tops of all the four Mines for giving "Air Raid Warning" and "Raiders Passed" signals. As the signals transmitted from these sirens are sometimes inaudible in Robertsonpet, Ooregum Village and Andersonpet arrangements are being made to instal separate electric sirens at these places to make the signals more efficient and effective.

4. Obscuration of lights: This came into effect on 27-4-42. The Special Superintendent of Police, Kolar Gold Field has been declared to be the Officer to whose satisfaction lights on buildings or open grounds in the K.G.F. area should be screened.

5. The Control Room has been properly protected and the A.R.P. Depots and First-Aid Posts will be made blast and splinter proof.

6. Evacuation of population, ~~and~~ control of panic, the care of homeless persons and vigilance work are being organised

by

by the Civil Defence Commissioner, Kolar Distri

I have the honour to be,

Sir,

Your most obedient servant,

Controller for A.R.P.
Kolar Gold Field.

W 202-40-14

12th May 1942.

2946-7/W

Enc 1

The Deputy Commissioner,
Kolar.

The President, Dist. Board, Kolar.

A.R.P. in K.G.F.

I am directed to forward for information an extract from letter No.A.R.P.648-50/ dated the 5th May 1942 from the A.R.P. Controller, K.G.F., on the above subject, and to request that arrangements may kindly be made for the construction of more slit trenches.

I have the honour to be,
Sir,
Your most obedient servant,

(Sd.) M.G.Mehkri.

~~xxx~~For Chief Secretary to Government

Memo No. 2948/W - Dated the 12th May 1942.

Copy of the above is forwarded with compliments to t A.R.P. Controller, K.G.F., for information.

For Chief Secretary to Government.

W 202-40-15. 2030/W.

gram : " POLICE."
phone : 2108.

POLICE DEPARTMENT.

OFFICE OF THE
INSPECTOR-GENERAL OF POLICE IN MYSORE,

No. A.R.P.190/41-42
Encl. 1

Bangalore, dated 13th May, 1942.

FROM

The Inspector-General of Police in Mysore,
Bangalore.

To

The Chief Secretary to the Government of
His Highness the Maharaja of Mysore,
Bangalore.

CHIEF SECRETARY, 15 MAY 1942 GOVT. OF MYSORE

A.R.P. SCHEME IN K.G.F.

Sir,

I have the honour to enclose herewith for the information of Government a copy of letter No.ARP.648-50 dated 4-5-1942, from the Controller for A.R.P., Kolar Gold Field, regarding the progress of the A.R.P. measures in K.G.F.

I have the honour to be,
Sir,
Your most obedient servant,

KVN.

for INSPECTOR GENERAL OF POLICE.

Letter No.ARP.648-50 dated 4th May, 1942 from the Controller for A.R.P., Kolar Gold Field, to the Inspector General of Police in Mysore, Bangalore.

- - - - - - -

I have the honour to submit herewith a brief note on the A.R.P. Scheme in Kolar Gold Field.

The K.G.F. area has been made into six divisions for A.R.P. purposes as follows:-

Division I	Nandydroog Mine.
" II	Oorgaum Mine.
" III	Champion Reef Mine.
" IV	Mysore Mine.
" V	Sanitary Board Area, particularly Robertsonpet, Andersonpet, Oorgaum Village and Bethamangala.
" VI	Kolar Gold Field Electricity Department.

In I to IV and VI Divisions the A.R.P. Organisation has been (and is being) done on the elaborate scale.

1. The divisional headquarters are conveniently situated and protected with sand bags with two telephones on separate lines and are equipped with ambulance vans and lorries with water-waggon trailers attached, complete with hand pumps and hose pipes for dealing with fires in the lines where water may not be readily procurable. In addition they are fully provided with first-aid materials.

2. Each Division comprises of a number of groups conveniently located with reference to population and residential quarters. The personnel of each post consists of a group warden, assistant wardens, first aid parties, stretcher-bearers and scouts for messengers. It is also equipped with telephone, first aid articles etc. Each First-Aider is provided with a box of first-aid equipment.

3. Shelters.

Slit-trenches: For a population of 71, 747 on the Mining Area, 34,428 R.ft. of the standard type of slit trenches have been dug.

Other shelters: In addition, there are pucca shelters made of old boilers and boiler flues properly protected. Tunnels have been made of brick and cement or steel arches. These can provide shelter for thousands of persons.

The work of providing more trenches is still in progress.

4. Fire-fighting equipment. Particular attention has been paid to the existing Fire Service on the Mines and this has been improved and added to in a number of places.

5. Mobile fire and demolition services have been organised.

6. Adequate shelters have been provided close to the various surface works.

7. Underground works.- In the event of an Air Raid Warning, all efforts will be made to get men from the deeper parts

8. Four persons who were trained in Bangalore for A.R.P. work have been conducting classes in the four Mines and have trained about 400 A.R.P. Services personnel. The classes are still being continued.

Division V.

This Division has been treated separately as it comes under the direct management of the Sanitary Board. An estimate for A.R.P. equipment in this area amounting to a lakh of rupees has been submitted to the Sanitary Board for sanction.

1. First-aid posts have been organised, one at Oorgaum Village, two at Robertsonpet and one at Andersonpet.

2. The formation of groups in this Division is going on.

3. For a population of 26,131 in this area, 2,423 R.ft. of slit trenches have been dug. This is inadequate.

4. Arrangements for fire-fighting in this area are not satisfactory. Two thousand bags and 80 c.yds of sand and some buckets and barrels for storing water are being provided. Appliances for fighting serious fires are wanting.

5. An Officer of the Department of Mines and Explosives was trained in A.R.P. work in Bangalore and he has been conducting classes daily and has trained 100 A.R.P. volunteers. The Assistant Surgeon attached to the Civil Hospital is conducting classes for training people in First-Aid. Both classes are being continued to train more A.R.P. Services personnel.

Bethamangala.- It is regrettable to observe that the suggested urgent protections for the Water Works have not yet been provided. This is the only source of water supply to K.G.F. and as such the necessary protective measures should be immediately carried out.

General.-

1. Copies of pamphlets, bit notices and wall posters, numbering several thousands, have been widely distributed among the public regarding precautions to be taken during Air Raids. In addition, several meetings are being held to educate the public in A.R.P. work.

2. Seven A.R.P. Practices, four during day light and three black-outs, were conducted with and without notice. More practices will be held without notice.

3. Air Raid Signals: Sirens have been installed at important shaft tops of all the four Mines for giving "Air Raid Warning" and "Raiders Passed" signals. As the signals transmitted from these sirens are sometimes inaudible in Robertsonpet, Oorgaum Village and Andersonpet arrangements are being made to instal separate electric sirens at these places to make the signals more efficient and effective.

4. Obscuration of lights: This came into effect on 27-4-42. The Special Superintendent of Police, Kolar Gold Field has been declared to be the Officer to whose satisfaction lights on buildings or open grounds in the K.G.F. area should be screened.

5. The Control Room has been properly protected and the A.R.P. Depots and First-Aid Posts will be made blast and splinter proof.

6. Evacuation of population, control of panic, the care of homeless persons and vigilence work are being organised by the Civil Defence Commissioner, Kolar District.

COPY.

For Inspector General of Police.

WWR 202-40-16.

250/W

GOVERNMENT OF MYSORE

DE[illegible] OFFICE

OFFICE OF

the Controller for A.R.P.

Kolar Gold Field

Oorgaum

No. 72-74 739

Encls.

OFFICE OF THE [illegible]

JUL 17 1942

No. 612

Date 16th July 1942.

CHIEF SEC[illegible]

17 JUL 1942

GOVT. OF MYSORE.

IMMEDIATE.

Gulam Mohiyuddin Mehkri, Esq., B.A.,LL.B.,

Chief Secretary to the Government of

His Highness the Maharaja of Mysore,

Bangalore.

Sir,

A.R.P. - Kolar Gold Field.

With reference to your letter No.ARP.80/42-43 dated 14th July 1942, I have the honour to furnish below a brief note on the A.R.P. work done in Kolar Gold Field Area:-

The Kolar Gold Field Area has been formed into seven Divisions for A.R.P. purposes as follows:-

Division	I	Nundydroog Mine
"	II	Ooregum Mine
"	III	Champion Reef Mine
"	IV	Mysore Gold Mine
"	V	Sanitary Board Area (Robertsonpet, Andersonpet and Ooregum Village)
"	VI	K.G F. Electricity Department
"	VII	Bethamangala

Bills for payment

Dewan

In I to IV and VI Divisions the A.R.P. Organisation has been (and is being) done on the elaborate scale.

1. The divisional headquarters are conveniently situated and protected with sand bags with two telephones on separate lines and are equipped with ambulance vans and lorries with water-wagon trailers attached, complete with hand pumps and hose pipes for dealing with fires in the lines where water may not be readily procurable. In addition they are fully provided with first aid materials.

2. Each Division comprises of a number of groups conveniently located with reference to population and residential quarters. The personnel of each post consists of a group warden, asst. wardens, first aid parties, stretcher-bearers and scouts for messengers. It is also equipped with telephone, first aid equipment, etc. Each first

first-aider is provided with a first-aid box.

3. Shelters.- For a population of 71,747 on the Mining area, 34,438 R.ft. of the standard type of slit trenches have been dug.

Other Shelters.- In addition, there are pucca shelters made of old boilers and boiler flues properly protected. Tunnels have been made of brick and cement or steel arches. These can provide shelter for a large number of persons.

4. Fire-fighting equipment.- Particular attention has been paid to the existing fire service on the mines and this has been improved and added to in a number of places.

5. Mobile fire and demolition services have been organised.

6. Adequate shelters have been provided close to the various surface works.

7. Underground works.- In the event of an Air Raid Warning, all efforts will be made to get men from the deeper parts of the mines up to a through ventilated level.

8. Four persons who were trained in Bangalore for A.R.P. work have been conducting classes in the four mines and have trained about 400 A.R.P. personnel. The classes are being continued.

Division V.- This Division comes under the direct management of the Sanitary Board. An estimate for A.R.P. equipment in this area amounting to Rs.1,00,000 has been submitted.

1. First-aid posts have been organised, one at Ooregum Village, two at Robertsonpet and one at Andersonpet.

2. Sectors and Posts are being formed in this Devision.

3. For a population of 26,131 in this area 3,484 R.ft. of slit trenches have been dug.

4. Arrangements for fire-fighting are being made. 24 lanterns, one roll of cotton rope, 57 water troughs have been bought in addition to 2000 gunny bags, 80 c.yds. of sand, 12 ladders, 6 axes, 6 shovels, coir ropes, 104 buckets and 3 fire-fighting shields, etc. Appliances for fighting serious fires have yet to be obtained.

5. One officer of the Department of Mines and Explosives, a Science Assistant of the K.G.F. High School and a Sanitary Inspector attached to the Board have been trained

trained in the A.R.P. Staff Officers' Course at Bangalore Classes have been held by them and about 250 A.R.P. personnel have been trained. Refresher courses in A.R.P. First-aid and Fire-fighting have been held.

6. Demonstrations and Practices.-

Five weekly demonstrations and practices in fire-fighting, first-aid, message writing, bomb disposal, etc. have been held and large number trained in the use of stirrup pump, etc.

7. Water supply.-

Protective measures for the storage reservoir have been completed in Robertsonpet. Several wells have been opened and the necessary pumps are under erection.

8. Storing of food stuffs for essential services.-

Needful action is being taken in the matter and an adequate quantity has alreay been purchased and stored by the Civil Defence Committee.

Division VII - Bethamangala.-

Protective measures for the Water Works and pumping machinery have been completed.

General

1. Copies of pamphlets, bit notices and wall posters numbering several thousands, have been widely distributed among the public regarding precautions to be taken during Air Raids. In addition, several meetings are being held to educate the public in A.R.P. work.

2. Nine A.R.P. practices, six during day light and three blackouts were conducted with and without notice. Practices are being continued.

3. Air Raid Signals. - Sirens have been installed at important Shaft tops of all the four mines for giving "air raid warnings" and "Raiders Passed" signals. As the signals transmitted from these sirens are sometimes inaudible in Robertsonpet, Ooregum Village and Andersonpet, arrangements are being made to instal separate electric sirens at these places to make the signals more efficient and effective. One siren which has been received will be installed shortly at Robertsonpet Police Station for which estimate has since been received duly sanctioned by Government.

4. Obscuration of lights.- This is in force since 27-4-42.

5. The Control Room has been properly protected and the A.R.P. Depots and First-Aid Posts will be made blast and splinter-proof.

6. Evacuation of population, control of panic and care of homeless persons and vigilance work are being organised by the local Civil Defence Committee.

7. Additional Equipment.- An estimate for the essential equipment required for A.R.P. measures - such as Fire Engine, Ambulance Car, Fire-fighting equipment, etc. - directly under the Controller, A.R.P. Kolar Gold Field has been sent up for sanction.

I have the honour to be,

Sir,

Your most obedient servant,

Controller for A.R.P.
Kolar Gold Field.

R.S.

CONFIDENTIAL.

A.R.P. SCHEME FOR THE KOLAR GOLD FIELD.

PART I - The full scheme.

I. CONTROL.

(1) A.R.P. Executive Committee:-

An Executive Committee for the purpose of carrying out the A.R.P. Scheme approved for the Kolar Gold Field may be formed with the following members:-

Chief Inspector of Mines
Special Magistrate, Kolar Gold Field
Special Superintendent of Police, Kolar Gold Field
Superintendents of the Nandydroog, Mysore, Champion Reef and Oorgaum Mines.
Superintendent, C.P.S., Kolar Gold Field.
Chief Electrical Engineer (Mining).
Secretary, Messrs. John Taylor & Sons.
Chief Medical Officer (Mining).
Medical Office in charge of the Civil Hospital, Robertsonpet.
Medical Officer of Health, Sanitary Board.
Divisional Warden, Robertsonpet.

(2) A.R.P. Controller:-

The Chief Inspector of Mines.

(3) Control Room and Reporting Centre:-

A combined Control Room and Reporting Centre for the K.G.F. will be located in a room of the Oorgaum Hall, if an additional room (15' x 20') adjoining the Central Telephone Exchange cannot be constructed for the purpose. The Control Room as well as the Telephone Exchange should be made proof against blast and splinters and against the falling debris in any case. The offices of the Chief Inspector of Mines, Special Magistrate, Special Superintendent of Police, Messrs. John Taylor & Sons, the four Mining Superintendents, Divisional Headquarters Robertsonpet, Superintendent Power & Lighting, Chief Electrical Engineer (Mining), Officer Commanding the K.G.F. Battalion, Rescue Station, Nandygroog Mines, the two A.R.P. Depots and Wardens' posts will be in telephonic communication with the Control Room. There should be two message panels of the above telephones (one IN and one OUT) formed by means of extension

extension lines from the Central Exchange, if the Control Room is located in the Oorgaum Hall. The panels may be manned by two telephonists who may be volunteers. If the Control Room is attached to the Telephone Exchange, separate panels are not necessary and the telephone numbers in question may be operated from the existing panels themselves, on a priority basis, the keys being painted a distinctive colour. In addition to the telephonists, the staff of the Control Room will consist of the A.R.P. Controller, one Message Clerk in charge of the map and tally board and two messengers (Senior Scouts). Representatives of the four Mining Companies and the Electrical and Water Supply Departments will also be present. A reserve of four cyclists (Senior Scouts) will be posted here for use as messengers in case the telephone services breaks down.

A large scale map of the K.G.F. Sanitary Board area will be prepared and placed on a stand with a tally board of essential A.R.P. services. The required number of message pads (IN and OUT) and a supply of coloured flags etc. will be kept ready.

In addition to the places already mentioned special warnings, if any, may also be given to the following:-

K.G.F. and Civil Hospitals.
Police Stations (2).
Mining and Government Electric Power Houses.
Water Supply Station, Bethamangala (by the Superintendent Power and Lighting/ on service telephone).
Railway Stations (Coromandel, Oorgaum, Champion Reef and Marikuppam).
Brick and Tile Company.
K.G.F. and Oorgaum Clubs.
Robertsonpet and Andersonpet Markets.
Selected Subscribers.

A Control Key may be installed to operate the sirens, or hooters at the several shaft heads for the purpose of giving public warnings.

A priority list of selected telephone numbers may be prepared and the operators at the Telephone Exchange instructed to follow the existing procedure as to emergency calls with regard to them. Out and fire messages should have priority

priority over all the others.

II. WARNING SYSTEM.

The alarm signals to the public will be only two viz. Action Warning (RED) and Raiders Passed (GREEN). Distinctive signals to be given over the hooters may be decided upon and the public familiarised with them so that there may be no possibility of such signals being mistaken for the usual time signals. Preliminary caution (YELLOW) to be given over the telephonic broadcast will be confidential and if not followed by the Action Warning (RED) will be reversed by giving the cancel caution (WHITE).

The existing hooters at the several shaft heads will be used for giving public warnings, and will be operated from the Control Room. After a state of emergency has been declared the use of mine-hooters for other than A.R.P. purposes will have to be discontinued. An effective system of spreading the public alarm through the agency of the Police, Civic Guards and A.R.P. Wardens has to be devised. Each Police Station should arrange to keep three cyclist constables for this purpose. Important buildings, factories, and places of public resort (vide Section XI infra) will have their own supplementary alarm systems in addition. High noise areas inside the factories like Motor Rooms, Stamp Rooms and Tube Mill Plants must be specially provided for. Loud-speakers may be installed in crowded places like the Robertsonpet and Andersonpet markets to supplement the public warning.

III. LIGHTING RESTRICTIONS.

A complete black-out is unnecessary now nor is the permanent obscuration of lights contemplated.

After a state of emergency has been declared bright lights easily seen from the air and prominent ones on top of buildings and structures should be discontinued.

As soon as the preliminary warning (YELLOW) is received the electric lights at Kolar, Bowringpet (including the

the M.S.M. Railway Station area) and Bethamangala. ~~and other places situated within a radius of 25 miles which may act as pointers should be switched off.~~

During an air raid all electric lights on the surface i.e. those in the streets or inside the buildings will be extinguished. Lights not brighter than candle or oil lamp will be permitted inside the buildings and no external lights of any kind will be allowed except in accordance with the order under Rule 52(1) of the Defence of India Rules.

Anti-glare measures for factories, electric power houses and the railway area should be decided upon and practised. In particular, glass plates used in the roofs of the factories should be suitably covered to prevent the reflection of light. The existing emergency lighting system working from independent batteries may be extended, if possible, to cover areas where work has to go on even during an air raid such as the A.R.P. centres, hospitals, etc. in addition to vital points in factories, pit-heads and electrical and water supply stations.

If possible, while renewing electric bulbs high wattage bulbs may be replaced by those of low wattage and a plan for the removal of unnecessary lights worked out.

Railway and public conveyance companies should devise suitably methods of shading the lights of vehicles, signal lights, etc. in an emergency.

IV. WARDENS' ORGANISATION.

K.G.F. will be divided into five A.R.P. Divisions as follows:-

Mining	Division I	Nandydroog	Covering the area of the respective Mining Companies. The electrical and hospital areas (Mining) will be included in Division III Champion Reef.
	Division II	Oorgaum	
	Division III	Champion Reef	
	Division IV	Mysore	
General	" V	Robertsonpet	Covering Robertsonpet, Andersonpet and the Oorgaum village.

Villages and buildings within half a mile radius of the above will form part of it for A.R.P. purposes. The M.S.M.

M.S.M. Railway will have a separate A.R.P. organisation under the control of an officer of their own in accordance with the instructions of the Railway Board. The Superintendents of the respective Mining areas will be the Divisional Wardens for the first four Divisions. A.R.P. Controller will appoint a Divisional Warden for Division V.

Divisions will be subdivided into two or three groups. Each of the above groups will be in charge of a Group or Head Warden. Each group will consist of a number of sectors. No sector should overlap the Railway line which bisects the Mining areas practically throughout their length. Each shaft Mining Office and Mining Factory may be constituted into separate sectors. Workmen's colonies will form independent sectors on the basis of one for about 5000 - 6000 population. Groups of bungalows may be formed into sectors. There may be one Wardens' post for each of the Markets at Robertsonpet and Andersonpet. Each sector will contain a Wardens' post and be manned by at least six Wardens of whom two will be the Senior Warden and his Deputy and the remaining four, Area or Street Wardens to whom a specific number of streets or a defined area will be allotted.

Area Wardens should be residents or employees of the locality and will work in pairs. In view of a considerable number of workers being engaged for duties underground throughout the day, the number of Wardens for each sector should be doubled so that the required strength is available for A.R.P. duties by day and night. The total number of Wardens' posts may be limited to about 25 for the entire K.G.F. area. The personnel of Area Wardens for each shift will on the above basis be 150. The number required on a night and day basis will therefore be 300. Add 50% to provide reliefs in an emergency making the total number of volunteers to be recruited and trained 450.

Note:- These are in addition to Building Wardens to be recruited (from among the clerical or menial staff) for important institutions and establishments accommodating more than 100 persons.

The offices of each Mining Superintendent may be the

the Headquarters for the first four Divisions. A suitable place may be selected in Robertsonpet to serve as headquarters for Division V. Divisional Wardens will select accommodation required for Wardens' posts which should be on or near the telephone. Otherwise an emergency messenger service must be devised on a night and day basis. The buildings selected, should be capable of being made blast and splinter proof at a later stage. Wardens' posts should be centrally situated so as to command a good view of the locality and should be easily accessible. Rooms on the ground level with few windows and sufficient space to accommodate the staff and the necessary equipment are preferable. The Divisional Wardens will appoint Group or Head Wardens and recruit Wardens for their respective areas.

They will form their own Divisional Committees if necessary to assist them in obtaining suitable volunteers and for educating the public.

V. MESSENGER SERVICE.

As an alternative means of communication in the event of a breakdown of the telephone service, it is necessary to organise and train an emergency messenger service. The Scout Commissioner may be requested to earmark 45 (Senior) Scouts for A.R.P. work and allot them as follows:-

	No. of Scouts.	Remarks.
Division I to V	35	i.e. one for each Wardens' post and two for each Divisional headquarters.
Control Room	6	Two for duty in the Control Room and four for the emergency messenger service.
A.R.P. Depots	4	Two per Depot.
	45	

The messengers will be provided with cycles. A runner service consisting of 10 persons may be organised and attached to Divisional Headquarters (two per Division).

Add 50% to provide reliefs, making the total number to be recruited and trained 70 messengers and 15 runners. The

The reserve personnel will consist of volunteers since the total number of senior scouts in the K.G.F. area is only 50 and insufficient to provide the reserve strength required.

VI. AIR RAID CASUALTY SERVICE.

This service is subject to the general control of the Chief Medical Officer, Mining Board, in Divisions I to IV (Mining) and of the District Medical Officer in charge of the Civil Hospital, Robertsonpet in Division V (General).

(1) First Aid Posts.

10 First Aid Posts may be established, i.e. two in each of the five Divisions. First Aid Posts will be of two classes, medium and small, and one post in each Division may be of the medium class.

In addition each of the two hospitals, viz. the K.G.F. Hospital, Oorgaum and the Civil Hospital, Robertsonpet, will establish first aid posts in their hospitals.

Note:- These will be in addition to first aid arrangements in factories, schools, cinemas, clubs, etc.

The minimum strength of each post is one Doctor or leader, one Nurse and four First-aiders. Divisional Wardens will select suitable locations for first aid posts which should have sufficient accommodation and a good water supply. They should be situated on the ground level if possible and be capable of being made blast and splinter proof at a later stage. The scale and equipment of the various posts as well as their location will be subject to the approval of the Hospital Sub Committee (Bangalore).

There are already nearly 5000 persons trained in first aid in K.G.F. The difficulty is as regards Doctors and Nurses required to staff the posts. In the absence of Doctors, holders of the Red Cross Society Diplomas may, if there is no objection to this course, be placed in charge of first aid posts as leaders. Ladies will be requested to enlist as volunteers for first aid work and trained in nursing duties. An Auxiliary Nursing Corps may be organised in each Division. In the absence of a sufficient number of

of lady volunteers, male first aiders may be trained to do the work of nurses.

Total number of first aid posts (plus two in the two hospitals)		10
Total personnel:	Doctors	10
	Nurses	10
	First Aiders	40+8
		60+8

Add 50% reserve to provide reliefs for first aiders in an emergency, making the total number of first aiders to be recruited for A.R.P. 72.

(2) First Aid Parties.

Each first aid party will consist of four first aiders provided with motor transport. Eight such parties may be organised, four each for the areas to the east and west of the railway line.

Total personnel required: 32 first aiders and 8 drivers.

The first aid parties as above will be concentrated in the respective A.R.P. Depots. Cars of private persons, to be owner-driven as far as ppssible, should be earmarked for the purpose by the Divisional Wardens.

(3) Casualty Clearing and Base Hospitals.

The K.G.F. Hospital Oorgaum and the Civil Hospital Robertsonpet will serve as Casualty Clearing Hospitals for the areas east and west of the railway line respectively. Serious and stretcher cases in each area will be sent to them. The Local Fund Dispensary, Champion Reef and the Maternity Clinics (5) may deal with loss serious cases which may be sent there. Light cases received in each area will be dealt with in the first aid posts attached to the respective hospitals. Cases requiring prolonged treatment may, if necessary, be arranged to be conveyed by ambulance to a selected building at Bowringpet. The Tobacco Factory building there which is vacant would probably be found suitable for the purpose.

(4) Ambulance Service.

Four ambulances, two each for the areas east and west of the railway line respectively may be organised. The motor

motor vehicles now in use for conveying sick persons to hospitals in the Mining areas may be utilised for this purpose. One or two private buses (capable of being converted into ambulances at short notice and at small cost) may be borrowed and earmarked for use in each area, if necessary. Each ambulance will have one nurse, one attendant and one driver. In addition one car for sitting cases may be allotted to each of the two areas. The personnel required is four nurses, four attendants and four drivers. A reserve of 100% is necessary, making the total number to be recruited and trained, 24.

Note:- No provision has been made in this Scheme for Anti-gas measures.

VII. FIRE FIGHTING SERVICE.

This service will be subject to the general control of the officer in charge of the Rescue Station Nandydroog Mine under the Mining Board.

(1) General Fire Survey.

A survey of the Mining and general areas will be made, making the high risk areas and noting the number and position of fire hydrants, stand pipes and independent sources of water supply. The number and capacity of all over-head and underground cisterns should be ascertained and recorded. Any alternative source of water supply should be noted also. Observation posts for watching fires may be selected and indicated on the fire map.

Note:- K.G.F. is dependent mainly on two sources of water supply at present, viz. the Bethamangala Reservoir and the Mining Water Reservoirs. The latter serve as storage for unfiltered water pumped from the mines and may be filled to capacity and earmarked for fire-fighting purposes on the near approach of danger. Stagnant water pools and sumps may be conserved and supply of water maintained in underground tanks to be constructed for the purpose wherever necessary. The possibility of sinking bore-wells as an alternative source of drinking water may be considered. Old wells in Robertsonpet area and in nearby villages may be conserved as an additional source of water supply in case of need. Additional fire hydrants may be installed wherever necessary both in the factory and residential areas.

(2) Heavy fire fighting.

At present each Mining Company has an efficient and very

very adequate underground fire fighting service under the control of the Rescue Station, Oorgaum. This service could be utilised and trained if necessary in surface fire-fighting. Four fire parties may be organised for general fire-fighting, two each for the areas east and west of the railway line, and concentrated in the respective A.R.P. Depots. This will be in addition to fire fighting arrangements in the factories. The general fire parties may consist of six to eight persons equipped with manual pumps developing the required pressure to deal with big fires on the surface. They should be provided with motor transport to enable them to be moved quickly to any part of the K.G.F. area in an emergency. One party at-least may, if possible, be equipped with a trailer pump.

(3) First Aid Fire Fighting.

One mobile party consisting of three persons equipped with a stirrup pump and accessories will be recruited for each sector for what is known as "first aid fire-fighting". For the 25 sectors in the K.G.F. area the maximum personnel required is 75 volunteers who will be recruited and trained at the Rescue Station, Oorgaum. Arrangements should be made to keep 4 filled sandbags at intervals of 50 - 100 yards in built-up areas in every sector and in every building.

(4) Fire-Watchers.

Factories and important buildings may organise a fire-watching service to put out roof fires and to guide street fire parties. The arrangements should be on a night and day basis and fire-watchers should be given personal protection.

(5) Subsidiary fire-fighting schemes.

Fire fighting schemes should be prepared for all large buildings, factories, offices, hospitals, cinemas, hotels, schools, theatres, railway stations, etc. and their requirements in respect of stirrup pumps, sandbags, buckets and extinguishers noted.

Special precautions are needed in the case of oil tanks, cyanide stores, timber stacks, coal dumps, etc.

Individual bungalows may organise three or two-man-manual parties by training orderlies or malis in the use of the stirrup pump.

VIII. ESSENTIAL SERVICES.

(1) Maintenance of essential services.

Essential services may be classified as follows:- (i) Electricity - Power and Lighting (ii) Telephones and Telegraphs (iii) Public Transport - Roads and Railways (iv) Water Supply and (v) Drainage. Each Department of Government and the Mining Board concerned should draw up plans for the protection of vital plant and key personnel, duplication of essential equipment and dispersal of stores etc. and will organise a sufficient number of repair parties, separately for the areas to the east and west of the railway line.

(2) Rescue parties (for Rescue, Salvage and Clearance of debris.)

One light and one heavy rescue party provided with motor transport (Mining or private lorries earmarked for the porpose) and equipped on scales to be fixed by the Engineering Sub Committee(Bangalore) will be organised by the Mining Board and located in the A.R.P. Depots for each of the two areas to the east and west of the railway line respectively. The necessary equipment will be earmarked now and assembled when required. Employees of the Mines already possessing the required experience of engineering operations involved in rescue work may be recruited on the basis of shifts of eight hours each. Each party will work under a person of the foreman type. Four individuals in each light rescue party should be given training in first aid and equipped with first aid pouches. The number of rescue parties for K.G.F. will therefore be two heavy and two light with a total personnel of some 80 persons at 40 per shift.

(3) Demolition parties.

While a certain amount of demolition work may have to be undertaken by rescue parties in the course of their work,

work, demolitions on a large scale lie outside the scope of A.R.P. proper. It is however desirable in an industrial area like the Kolar Gold Field to have at least one such party, in view of the possibility of serious structural damage in the event of an air raid.

One demolition party equipped with motor transport and with the necessary tools and trained for heavy demolition work may be organised by the Mining Board and located at the Rescue Station, Oorgaum.

IX. A.R.P. DEPOTS.

A suitable place on each side of the railway line may be selected by the A.R.P. Controller to serve as a depot at which the following motorised units of the A.R.P. Services will be concentrated:

1. Two ambulances and one car with staff.
2. Four first aid parties and four cars.
3. Two fire-parties and lorries with manual pumps.
4. One light and one heavy Rescue and Salvage party.
5. Repair parties with vans belonging to Government, and Mining Departments.

Each Depot should be as centrally situated as possible and must be connected by telephone with the Control Room.

One Senior Warden will be posted at each Depot to maintain contact with the Control Room and a cyclist messenger will be placed at his disposal.

X. CONTROL OF CIVIL POPULATION.

During an air raid such control will be exercised chiefly through the Police and Civic Guards whose duty it will be to control traffic, allay panic, prevent looting and enforce lighting restrictions. The Police and the Civic Guards will be trained from now on in the above duties and as many of them as possible should be given training in first aid. Civic Guards will be employed as far as possible in the areas in which they reside.

~~If the situation becomes serious the A.R.P. Controller may call in the help of the K.C.P. Battalion to restore order in accordance with the Internal Security Scheme~~

~~Scheme approved for the K.G.F. area.~~

XI. SUBSIDIARY A.R.P. SCHEMES.

(1) Detailed A.R.P. Schemes providing for
(a) Control posts.
(b) Subsidiary warning system.
(c) Emergency lighting.
(d) First aid.
(e) Fire-fighting.
(f) Protection of vital plant and key personnel.

should be prepared for the following:-

(1) Factories and offices in the Mining area.
(2) Brick and Tile Factory.
(3) The Mining and Government Electric Power Houses.
(4) Water Supply Station (Bethamangala).

Note:- Arrangements should conform generally to the instructions contained in the following publications issued by the Government of India -

(a) Organisation of Air Raid Precautions Services in industrial undertakings and the training and equipment of personnel.
(b) A Summary of Air Raid Precautions applied to factories.

The above Schemes should as far as possible be self-contained but the assistance of the general A.R.P. services will also be available in any of the areas if required. The Superintendents of the Mining Companies and the heads of the other installations concerned will be the Chief A.R.P. Officers for their own areas.

(2) Arrangements covering the following items viz.

(a) Supplementary Warning.
(b) First Aid.
(c) Fire-fighting and
(d) personal protection

should be made by the head of each institution in respect of the following -

(1) K.G.F. and Civil Hospitals.
(2) K.G.F., Oorgaum and other Clubs.
(3) Schools, Hostels and Boarding Homes.
(4) Cinemas.
(5) Large Hotels.
(6) Robertsonpet and Andersonpet Markets.
(7) P.R.P. Lines.

The above list is not exhaustive.

XII. TRAINING.

A class III Instructor will be deputed to K.G.F. to give general training to the volunteers after they have been recruited.

Lectures and demonstrations will be arranged to be given at a convenient place such as the Oorgaum Hall.

Training in specific duties for the several A.R.P. services will be arranged to be given by the Heads of such services.

Each Divisional Warden will prepare for all members of the A.R.P. services in his Division a suitable programme of training to be conducted in three stages, viz. individual, team and collective, and based on the official handbooks and training manuals.

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APPENDIX I.

1. Control Room.		Number.
Telephonists	2	
Map and Tally Board Clerk	1	
	3	
Add 60% reserve to provide reliefs		6
2. Wardens' Organisation.		
Divisional Wardens	5	
Group Wardens	15	
Area Wardens 150 x 2 =	300	
	320	
Add reserve of 50% to provide reliefs for Area Wardens.		470
3. Messenger Service.		
Messengers	45	
Runners	10	
	55	
Add reserve of 50% to provide reliefs		83
4. Air Raid Casualty Service.		
(1) First Aid Posts.		
Doctors	10	
Nurses	10	
First-aiders	48	
	68	
Add reserve of 50% to provide reliefs		92
(2) First aid Parties.		
First aiders	32	
Drivers	8	
	40	
Add reserve of 100% to provide reliefs		80
(3) Ambulance Service.		
Drivers	4	
Nurses	4	
Attendants	4	
	12	
Add reserve of 100% to provide reliefs		24
5. Fire Fighting Service.		
(1) Fire parties.		
At one Foreman, six fire-fighters and one driver for each of the four fire-parties, the number required is - 32.		
Add reserve of 100% to provide reliefs		64
(2) First Aid Fire-fighting.		
At three persons for each of the 25 sectors, the number required is - 75.		
Add reserve of 100% to provide reliefs.		150
6. Essential Services.		
(1) Rescue parties.		
Heavy parties - Foreman	2	
Men	16	
Light parties - Foreman	2	
Men	20	
Drivers	4	
	44	
Add reserve of 100% to provide reliefs		88

(2) Demolition party.

Officers	2
Men	12
	14

Add reserve of 100% to provide reliefs 28

7. A.R.P. Depots.

Senior Wardens	2
Cyclist Messengers	2
	4

Add reserve of 100% to provide reliefs 8

Grand Total 1093

APPENDIX II.

	Cars.	Buses.	Lorries.
1. First Aid Parties (8)	8	-	-
2. Ambulance Service -			
Ambulances (4)	-	4	-
Cars for sitting cases	2	-	-
3. Fire Service -			
Fire Parties (4)	-	-	4
4. Rescue Parties (4)	-	-	4
5. Demolition Party (1)	-	-	1
	10	4	9

A.R.P. SCHEME FOR KOLAR GOLD FIELD.

PART II - THE OPERATIONAL STAGES.

STAGE-A: From now until the near a proach of danger.

I. CONTROL.

The A.R.P. Executive Committee will be set up and the Controlling Officers appointed.

The combined Control Room and Reporting Centre will be established and equipped with map and tally board. The personnel (3) will be recruited and trained and the telephone connections planned out. Central key for operating hooters will be installed.

II. WARNING SYSTEM.

The warning signals will be decided upon and the public instructed through posters, press notes, instructional gramophone records and later on through weekly warning tests. Loud-speakers will be installed at selected places.

III. LIGHTING RESTRICTIONS.

The general policy will be settled and will provide for speed limits of vehicles and suitable traffic signals under restricted lighting condictions.

Test black-outs will be held, including places within 25 miles radius.

IV. WARDENS' ORGANISATION.

The A.R.P. Controller will appoint the Divisional Warden for Division V and Divisional Wardens will appoint Group or Head Wardens. The latter will recruit at least three Area Wardens for each of the 25 sectors, the number being raised gradually to six Wardens per sector. / Area Wardens will appoint two Building Wardens at least for each important building other than those mentioned in Section XI of the Scheme, and two first aid

The reserve strength need not be recruited at this stage.

aid fire-fighters for each sector.

Divisional Wardens will select suitable accommodation for Wardens' posts and prepare lists of the equipment required. They will also arrange for the individual, team and collective training of the volunteers in their respective Divisions, including those belonging to institutions mentioned in Section XI of the Scheme.

Area Wardens will complete their survey of their sectors, prepare sector maps and train Building Wardens in their duties.

V. MESSENGER SERVICE.

The personnel (55) will be selected and trained. They will be provided with route maps indicating alternative means of communication between the Control Room, Divisional Headquarters, A.R.P. Depots and Wardens' posts.

VI. AIR RAID CASUALTY SERVICE.

The personnel (120 omitting reserves) will be recruited and trained.

Locations suitable for first aid posts will be selected and the requisite equipment listed. Transport for first aid parties (8 cars) and for the ambulance service (4 buses and 2 cars) will be earmarked and plans made for the rapid conversion of the vehicles borrowed. The hospitalisation scheme will be worked out in detail.

VII. FIRE FIGHTING SERVICE.

The general fire survey will be carried out, a fire map prepared and a scheme for the protection of high risk areas drawn up.

The personnel of the fire parties (32 omitting the reserves) will be recruited and trained (but individual equipment will not be issued) and motor transport and manual pumps required earmarked. One trailer pump at least will be acquired.

Divisional Wardens will arrange to train first aid fire fighters in the use of the stirrup pump and sandbags.

Buildings for which fire-watchers are considered necessary will be listed and the required staff allotted and trained.

Standing fire fighting instructions for the guidance of the institutions mentioned in Section XI of the Scheme and of the general public may be prepared.

A consolidated indent of the fire fighting equipment required for the entire area will be prepared and a note made of the articles which are not obtainable locally.

VIII. ESSENTIAL SERVICES.

(1) Rescue and salvage parties:-

The total personnel required (44 excluding the reserves) will be recruited and trained by the Mining Board and their equipment and transport (4 lorries) earmarked.

(2) Demolition parties:-

The personnel for one party (14) will be recruited and trained by the Mining Board and its equipment and transport (one lorry) earmarked. Private contractors will also be asked to form and train demolition squads.

(3) Maintenance of essential services:-

Standards of structural protection will be prescribed and plans for the protection of vital plant and key personnel prepared. Essential stores required will be listed and arrangements made to procure them. Break-down gangs will be formed by the Government and Mining departments concerned an trained in emergency repair duties.

IX. A.R.P. DEPOTS.

Accommodation will be earmarked and the personnel (Wardens and Messengers) recruited and trained by the Divisional Wardens. Alternative methods of communication wi the Control Room will be worked out.

X. CONTROL OF CIVIL POPULATION.

A concerted plan of action for each area will be prepar Standing instructions for the Police, Civic Guards and the

the public will be issued. Transport required in an emergency will be earmarked and allotted to each area. A scheme for the protection and control of live stock, transport animals, etc. will also be devised.

XI. SUBSIDIARY A.R.P. SCHEMES.

The list will be completed and the heads of the institutions concerned requested to draw up suitable subsidiary schemes for their premises.

After the various schemes have been prepared and approved by the A.R.P. Executive Committee, the personnel will be trained, the necessary equipment provided and periodical practices held, which will include an occupancy test of places set apart in each building as shelters.

STAGE-B: On the near approach of danger.

I. CONTROL.

The combined Control Room and Reporting Centre will be equipped and permanently staffed. Reserve personnel will be enrolled and trained and the telephonic broadcast connections installed. Frequent tests of efficiency will be held.

II. WARNING SYSTEM.

The necessary equipment and transport facilities for spreading the alarm will be assembled at the appropriate centres. Warning tests will be held frequently.

III. LIGHTING RESTRICTIONS.

A notification will be issued by Government under Rule 52(1) of the Defence of India Rules, empowering the Police, Civic Guards and Air Raid Wardens to enforce the restrictions Extended black-out tests will be carried out.

IV. WARDENS' ORGANISATION.

All the posts will be established and equipment issued Reserve personnel will be enrolled and trained rapidly. Nigl and day tests will be held to ensure the prompt turn out of

of personnel. Reporting practices will be held weekly. There will be combined exercises and practice alarms.

V. MESSENGER SERVICE.

The staff will be equipped and allocated to particular posts.

VI. AIR RAID CASUALTY SERVICE.

Buildings earmarked for first aid posts will be taken over and equipped. Reserve staff will be recruited and trained.

Vehicles earmarked for casualty services will be taken over, converted and allocated to the respective A.R.P. Depots.

A scheme for the rapid evacuation of less serious cases from the hospitals will be worked out and the necessary medical stores issued.

VII. FIRE FIGHTING SERVICE.

All fire observation posts will be manned and arrangements for special areas completed. Fire parties with motor transport will be allocated to the respective A.R.P. Depots. Stirrup pumps and sandbags (¾ filled) required for first aid fire fighting will be issued to Divisions and distributed among sectors. Fire watching posts will be established. Subsidiary fire fighting arrangements will be completed.

VIII. ESSENTIAL SERVICES.

The Rescue, Demolition and Repair parties will be brought up to full strength, including the reserves and motor transport Parties will be allocated to particular A.R.P. Depots.

Plans for the protection of vital plants and key personnel will be put into effect.

IX. A.R.P. DEPOTS.

Accommodation earmarked will be taken over and the assembl of units practised. Alternative methods of communication will be tried out.

Efficiency tests will be held, the parties acting both individually and as a "convoy". Practices will be carried o by night and by day.

X. CONTROL OF CIVIL POPULATION.

"Take Cover" practices will be held. Buildings will selected to serve as emergency shelters for those caught i streets during an air raid and to house persons rendered h Slit trenches may be dug wherever possible and necessary. Stations will serve as depots for salvaged properties and quiry offices.

XI. SUBSIDIARY A.R.P. SCHEMES.

All such schemes will be completed and frequent practi held by night and by day to test the efficacy of the arran ments, particularly for the evacuation of the occupants at notice to the places set apart as shelters.

STAGE-C: During an air raid.

I. PRELIMINARY WARNING.

On receipt of advice from the A.R.P. Officer, Bangalo City, or the Regional Military Liaison Officer or otherwis that an air raid is expected in about 15-20 minutes, a pre confidential warning - (Air Raid Message YELLOW) will be i from the Control Room to all places connected by the teleph broadcast. The heads of A.R.P. Services and of institutio mentioned in Section XI of the Scheme will direct parties services under their control to assemble at once at their and to stand by in readiness for action. If the warning i after dark, surface lights in K.G.F. Mining area will be s off from the Mining Electrical Power House, and the Superi Power and Lighting, will be responsible for switching off in Robertsonpet, Andersonpet, etc. in K.G.F. area and in t of Kolar, Bowringpet and Bethamangala. Air Raid Wardens s turn out for duty wherever they happen to be if there is n to reach their posts. Arrangements in the hospitals for t reception of air raid casualties will be completed. Control Room will be manned day and night.

is sounded the arrangements for spreading it will be put into effect. If the warning is sounded at night, all lights except underground lights will be switched off.

The instructions contained in the My ore Hostile Attack (Precautions) Order and orders regarding lighting restrictions will be enforced by the Police, Civic Guards and Air Raid Wardens. The last named will patrol their sectors, taking cover as they move. At least one Warden must remain at each Wardens' post to attend to the telephone or to send out messages. Any fires started in the sector should be prevented from spreading with the help of the first aid fire fighting party, and all minor damage and injuries attended to on the spot.

Serious damage requiring the assistance of a motorised unit from the A.R.P. Depot will be reported by telephone to the Control Room direct (for particulars see Form-I) by Wardens, Police or Civic Guards, as the case may be. All requisitions to A.R.P. Depots for such assistance will be issued from the Control Room and recorded in Form-II. The return of units to the A.R.P. Depots should be reported at once to the Control Room with particulars of the action taken. Subsequent damage should be reported through further reports.

Damage reports received in the Control Room will be recorded there in Form-III and all occurrences and movements of A.R.P. Services plotted on the Control Room Map.

When units of several A.R.P. Services are operating together the Senior Warden on the spot will take charge and guide the operations.

The messenger service should be employed in the event of a complete breakdown of the telephone and any vehicle available on the spot may be commandeered for the purpose.

Serious casualties will be removed to hospitals direct and not through first aid posts, where only light and walking cases will be attended to. First aid parties will classify casualties and use tie-on cards for cases which are to be sent to hospitals.

If a fire is beyond the control of the first aid fire party, the nearest fire party must be asked for assistance direct and the fact intimated to the Control Room at the same time.

All salvaged property will be handed over to a Police Officer or Civic Guard or taken to the nearest Police Station.

A.R.P. motorised units should return to their depots on the completion of their work and await further orders.

The Police and Civic Guards will maintain order, control the movements of the civil population and keep the roads free for the passage of A.R.P. vehicles, all of which should carry badges which can be clearly seen by night as well as/the day in time. Damaged areas should be cordoned off pending the arrival of A.R.P. units and until the latter have completed their work.

Area Wardens will continue to patrol their sectors until the "raiders passed" signal is given.

III. THE "RAIDERS PASSED".

The arrangements for spreading this signal (GREEN) will be the same as for the 'Action Warning'.

The Police and Civic Guards should continue to regulate the movements of the civil population in order to prevent accidents and confusion.

Areas where A.R.P. services are still working should be kept clear. Damaged areas and streets should be barricaded and traffic diverted.

Members of A.R.P.Services not engaged in specific duties will return to their posts and stand by until discharged by their officers on advice from the Control Room. All equipment should first be checked, tested, cleaned and restored to its place.

People in damaged areas will, if necessary, be evacuated to safer places in an orderly manner by the Police and Civic Guards.

The A.R.P.Controller or his Deputy will issue as soon as possible for the information of the public a report of the damage and casualties.

NOTIFICATION.

No. P. 1448—*Legis.* 14-41-2, *dated Bangalore, the 24th September* 1941.

In exercise of the powers conferred by section 9 of the Air Raid Precautions Services (Emergency) Act, 1941, the Government of His Highness the Maharaja are pleased to make the following rules for carrying out the purposes of the Act, namely :—

The Air Raid Precautions Services Rules, 1941.

Short title and extent.

1. (1) These Rules may be called the Mysore Air Raid Precautions Services Rules, 1941.

(2) They shall come into force in the first instance only in the Cities of Bangalore and Mysore. The Government may by notification in the official Gazette direct that all or any of the provisions of these rules shall come into force in any other area on such date as may be specified in such notification.

Definitions.

2. In these rules, unless there is anything repugnant in the subject or context—

(1) " Act " means the Air Raid Precautions Services (Emergency) Act, 1941.

(2) " Form " means a form appended to these rules.

(3) " Service " means the Air Raid Precautions Service.

Organisation.

3. (1) The Air Raid Precautions Service constituted for any area may consist of—

(i) The Air Raid Wardens' Organisation.
(ii) The First Aid and Ambulance Service.
(iii) The Rescue Service.
(iv) The Fire Watching Service.
(v) The Auxiliary Fire Service.
(vi) The Anti-gas Service.

(2) The controllers appointed by the Government for the various areas shall be in command of the Service in the areas for which they are appointed.

Recruitment and appointment

4. (1) The controller may appoint as members of the Service so many persons as he may, in his discretion, deem necessary.

(2) Every person desiring to be appointed as a member of the Service shall make an application in Form A to the controller or to any person authorised by the controller in this behalf.

(3) Before any person is appointed as a member of the Service he may be required to undergo a medical test to the satisfaction of the controller.

(4) No person shall be appointed as a member of the Service unless he satisfies such conditions regarding age and physical fitness as may be laid down by the controller.

(5) No person shall be appointed as a member of the Service if his appointment is, in the opinion of the controller, undesirable in the public interest.

ificate of intment.

5. Every person appointed as a member of the Service shall be given a certificate in Form B.

ipline.

6. (1) Every member of the Service shall perform such duties as may be assigned to him and shall obey every order of his superior officers.

(2) The controller, or any other person authorised by him in this behalf, may censure a member of the Service for negligence or default in the discharge of his duties.

gnation.

7. Any member may resign from the Service after giving thirty days' notice in writing to the controller or to any other person authorised by the controller in this behalf:

Provided that the controller may accept the resignation of any member of the Service without such notice.

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8. No remuneration of any kind shall be paid to any person appointed as a member of the Service except in accordance with the scale and conditions which may be laid down from time to time in this behalf by the Government or by the controller with the approval of the Government.

orm.

9. Every person appointed as a member of the Service shall wear such uniform as the controller may prescribe.

FORM A.

RULE 4 (2).

Application form for the Air Raid Precautions Service in.....

To

The Controller.

I desire to be enrolled in the Air Raid Precautions Service I know that I shall be liable to be called on duty at any time and for any period and that I shall be subject to the provisions of the Air Raid Precautions Services (Emergency) Act, 1941, and the rules made thereunder.

1. Name in full ...
2. Address (Residence) ...
   (Business) ...
3. Date of birth ...
4. Place of birth (Town) ...
   (Country or District) ...
5. Occupation or profession ...
6. Education (Degree held or Examination passed.)
7. Particulars of any course of A. R. P. Training.
8. Particulars of training with any First Aid or Ambulance corps.
9. State between what hours you would be available for doing normal duty.

I declare that the above particulars are correct.

Date..... *Signature.*

NOTE.—After completing the form, the applicant should post it or deliver it to the Controller. He will receive intimation in due course whether he is to be enrolled in the Service.

FORM B.

(RULE 5.)

Air Raid Precautions Service.

[Constituted under The Air Raid Precautions Service (Emergency) Act, 1941.]

This is to certify that $\frac{\text{Mr.}}{\text{Mrs.}}$
Miss

is hereby appointed a member of the Air Raid Precautions Service under Section 4 of the Air Raid Precautions Services (Emergency) Act, 1941, and is authorised to carry out the duties laid on him/her under the said Emergency Act, or under any other law for the time being in force.

Controller.

By Order,

H. V. NARAYANA RAO,
Secretary to Government,
Law Department.

WD 8527—GPB—200—18-1-42.